

**VARIABLE NAME DICTIONARY**

**for the**

**AIR FORCE HEALTH STUDY**

**1985**

**PHYSICAL EXAM**

**QUESTIONNAIRE**

**and**

**ANALYSES**

**DISKETTE**

**DISTRIBUTION STATEMENT A**

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Human Systems Wing (ASC)**

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14. ABSTRACT The Air Force Health Study is a 20-year comprehensive assessment of the health of Air Force Veterans of Operation Ranch Hand, the unit responsible for the aerial spraying of herbicides in Vietnam. The study contrasts the health and noncombat mortality of Ranch Hand veterans with a comparison group of Air Force veterans who also served in Southeast Asia but did not spray herbicides. This diskette contains data collected at the second Air Force Health Study physical examination.					
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13 November 2000

The data files and SAS data sets of Cycle 2 physical exam, questionnaire, and analysis of 1985 Examination Results Report that are prepared for NTIS have been loaded to diskettes.

Our reference number is HBD658.

List of the files are attached.

Here's the link for the Adobe Acrobat Reader: To view the files with the PDF extension.

<http://www.adobe.com/products/acrobat/readstep.html>

The file C2MASTER.DAT contains demographic data for the 2,309 fully compliant participants at the AFHS 1985 follow-up (Cycle 2) examination.

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
SEQNO	1-5	Character	AFHS subject identification
ID	6	Character	Group identification (R = Ranch Hand, C = Comparison)
OCC	7	Numeric	Military occupation code (1 = flying officer – pilot; 2 = flying officer – non-pilot; 3 = non-flying officer; 4 = flying airman; 5 = non-flying airman)
DOBY	8-9	Numeric	Year of birth (last 2 digits of year in the 1900's)
DODYY	10-11	Numeric	Year of death as of 31 December 1992 (last 2 digits of year in the 1900's; '.' = participant still alive on 31 December 1992)
EXAMDATE	12-19	Character	Examination date for the 1985 follow-up examination (format is MMDDYYYY, where MM is the month, DD is the day, and YYYY is the year)
EXAMGRP	20-21	Numeric	Examination group for the 1985 follow-up examination

The C2QXFORMJENKINS.DAT data file contains data from Cycle 2 Psychological Exam FORM - Jenkins Activity Survey.

The variables J01-J52 will contain one of the following values.

0 = A  
1 = B  
2 = C  
3 = D  
4 = E  
5 = F  
6 = G  
7 = H  
8 = Missing  
9 = Missing

File Format:

VARIABLE	COLUMN	COMMENT
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SEQNO	1-5	subject ID
J01	6	question 1 3=Incorrectly Marked
J02	7	question 2 3=Incorrectly Marked
J03	8	question 3 4=Incorrectly Marked
J04	9	question 4 5=Incorrectly Marked
J05	10	question 5 2=Incorrectly Marked
J06	11	question 6 4=Incorrectly Marked 6=Incorrectly Marked
J07	12	question 7 3=Incorrectly Marked
J08	13	question 8 3=Incorrectly Marked
J09	14	question 9 3=Incorrectly Marked
J10	15	question 10 3=Incorrectly Marked
J11	16	question 11 3=Incorrectly Marked
J12	17	question 12
J13	18	question 13 3=Incorrectly Marked
J14	19	question 14
J15	20	question 15 5=Incorrectly Marked
J16	21	question 16
J17	22	question 17
J18	23	question 18

VARIABLE	COLUMN	COMMENT
J19	24	question 19 3=Incorrectly Marked
J20	25	question 20
J21	26	question 21
J22	27	question 22
J23	28	question 23 4=Incorrectly Marked
J24	29	question 24
J25	30	question 25
J26	31	question 26 4=Incorrectly Marked
J27	32	question 27 3=Incorrectly Marked 4=Incorrectly Marked
J28	33	question 28 4=Incorrectly Marked
J29	34	question 29 3=Incorrectly Marked
J30	35	question 30 3=Incorrectly Marked
J31	36	question 31 3=Incorrectly Marked
J32	37	question 32 3=Incorrectly Marked
J33	38	question 33 3=Incorrectly Marked
J34	39	question 34 2=Incorrectly Marked 3=Incorrectly Marked 5=Incorrectly Marked
J35	40	question 35
J36	41	question 36 3=Incorrectly Marked
J37	42	question 37
J38	43	question 38
J39	44	question 39 2=Incorrectly Marked 5=Incorrectly Marked
J40	45	question 40 3=Incorrectly Marked
J41	46	question 41
J42	47	question 42 4=Incorrectly Marked
J43	48	question 43
J44	49	question 44
J45	50	question 45
J46	51	question 46
J47	52	question 47
J48	53	question 48 3=Incorrectly Marked
J49	54	question 49 3=Incorrectly Marked



VARIABLE	COLUMN	COMMENT
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J50	55	question 50 5=Incorrectly Marked
J51	56	question 51
J52	57	question 52 3=Incorrectly Marked 5=Incorrectly Marked 7=Incorrectly Marked

The file QUEST\_85.DAT contains data from the 1985 follow-up (Cycle 2) interval questionnaire that was administered to 2,309 participants at the physical examination. The questions D62C10 - D79C71 were based on responses to a self-administered form.

Variable	Column	Variable Type	Comment
SEQNO	1-5	Character	AFHS subject identification
EDUC5	6	Numeric	Education (1 = High school/General Equivalency diploma; 2 = Associate of Arts; 3 = Bachelor of Arts or Bachelor of Sciences; 4 = graduate degree; 5 = no diploma)
MARRIED	7	Numeric	Marital status (1 = married; 2 = married, but separated; 3 = not married, but living with partner; 4 = not married)
EMPLOYED	8	Numeric	Employment status (1 = employed; 2 = not employed; 3 = retired)
JINCOME	9-10	Numeric	Personal earned income (from job) in previous year (1 = \$0 - \$29,999; 2 = \$30,000 - \$59,999; 3 = \$60,000 - \$89,999; 4 = >\$90,000; 99 = refused to answer or didn't know)
HINCOME	11-12	Numeric	Total household income in previous year (1 = \$0 - \$29,999; 2 = \$30,000 - \$59,999; 3 = \$60,000 - \$89,999; 4 = >\$90,000; 99 = refused to answer or didn't know)
MILSTAT	13	Character	Military status (A = active duty; D = deceased between 1985 follow-up interview and time of analysis for 1985 follow-up report; R = retired from military; S = separated from military; V = reserve forces)
RELIGION	14	Numeric	Religion (derived from Baseline (1982) questionnaire) (1 = Protestant; 2 = Catholic; 3 = Jewish; 4 = other; 5 = none)
D56C18	15	Character	Scuba diving three or more times? (1 = yes; 2 = no)
D56C19	16	Character	Auto, boat, or motorcycle racing three or more times? (1 = yes; 2 = no)
D56C20	17	Character	Skydiving three or more times? (1 = yes; 2 = no)
D56C21	18	Character	Mountain climbing three or more times? (1 = yes; 2 = no)
D56C22	19	Character	Hang gliding three or more times? (1 = yes; 2 = no)
D56C23	20	Character	Plane racing or acrobatics three or more times? (1 = yes; 2 = no)
D56C24	21	Character	Surf board riding three or more times? (1 = yes; 2 = no)
D56C25	22	Character	Long distance sailing three or more times? (1 = yes; 2 = no)
D56C26	23	Character	Fast downhill skiing three or more times? (1 = yes; 2 = no; 8 = missing)
D62C10	24	Character	In the last 12 months, has the participant walked for pleasure? (1 = yes; 2 = no)
D62C23	25-26	Character	Average number of days per month that the participant walked for pleasure (99 = missing; '' = did not walk for pleasure in the last 12 months)
D62C25	27-28	Character	Number of hours on an average day that the participant walked for pleasure (99 = missing; '' = did not walk for pleasure in the last 12 months)
D62C27	29-30	Character	Number of minutes on an average day that the participant walked for pleasure (99 = missing; '' = did not walk for pleasure in the last 12 months)
D62C29	31	Character	In the last 12 months, has the participant walked to work? (1 = yes; 2 = no)
D62C42	32-33	Character	Average number of days per month that the participant walked to work (99 = missing; '' = did not walk to work in the last 12 months)
D62C44	34-35	Character	Number of hours on an average day that the participant walked to work (99 = missing; '' = did not walk to work in the last 12 months)
D62C46	36-37	Character	Number of minutes on an average day that the participant walked to work (99 = missing; '' = did not walk to work in the last 12 months)
D62C48	38	Character	In the last 12 months, has the participant used stairs (1 flight = 1/2 min.)? (1 = yes; 2 = no)

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
D62C61	39-40	Character	Average number of days per month that the participant used stairs (1 flight = 1/2 min.) (99 = missing; '' = did not use stairs in the last 12 months)
D62C63	41-42	Character	Number of hours on an average day that the participant used stairs (1 flight = 1/2 min.) (99 = missing; '' = did not use stairs in the last 12 months)
D62C65	43-44	Character	Number of minutes on an average day that the participant used stairs (1 flight = 1/2 min.) (99 = missing; '' = did not use stairs in the last 12 months)
D62C67	45	Character	In the last 12 months, has the participant performed cross-country hiking? (1 = yes; 2 = no)
D63C10	46-47	Character	Average number of days per month that the participant performed cross-country hiking (99 = missing; '' = did not perform cross-country hiking in the last 12 months)
D63C12	48-49	Character	Number of hours on an average day that the participant performed cross-country hiking (99 = missing; '' = did not perform cross-country hiking in the last 12 months)
D63C14	50-51	Character	Number of minutes on an average day that the participant performed cross-country hiking (99 = missing; '' = did not did not perform cross-country hiking in the last 12 months)
D63C16	52	Character	In the last 12 months, has the participant backpacked? (1 = yes; 2 = no)
D63C29	53-54	Character	Average number of days per month that the participant backpacked (99 = missing; '' = did not backpack in the last 12 months)
D63C31	55-56	Character	Number of hours on an average day that the participant backpacked ('' = did not backpack in the last 12 months)
D63C33	57-58	Character	Number of minutes on an average day that the participant backpacked ('' = did not backpack in the last 12 months)
D63C35	59	Character	In the last 12 months, has the participant performed mountain climbing? (1 = yes; 2 = no)
D63C48	60-61	Character	Average number of days per month that the participant performed mountain climbing (99 = missing; '' = did not perform mountain climbing in the last 12 months)
D63C50	62-63	Character	Number of hours on an average day that the participant performed mountain climbing (99 = missing; '' = did not perform mountain climbing in the last 12 months)
D63C52	64-65	Character	Number of minutes on an average day that the participant performed mountain climbing (99 = missing; '' = did not perform mountain climbing in the last 12 months)
D63C54	66	Character	In the last 12 months, has the participant bicycled to work and/or for pleasure? (1 = yes; 2 = no)
D63C67	67-68	Character	Average number of days per month that the participant bicycled to work and/or for pleasure (99 = missing; '' = did not bicycle to work and/or for pleasure in the last 12 months)
D63C69	69-70	Character	Number of hours on an average day that the participant bicycled to work and/or for pleasure (99 = missing; '' = did not bicycle to work and/or for pleasure in the last 12 months)
D63C71	71-72	Character	Number of minutes on an average day that the participant bicycled to work and/or for pleasure (99 = missing; '' = did not bicycle to work and/or for pleasure in the last 12 months)
D64C10	73	Character	In the last 12 months, has the participant danced? (1 = yes; 2 = no; 9 = missing)
D64C23	74-75	Character	Average number of days per month that the participant danced (99 = missing; '' = did not dance in the last 12 months)

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
D64C25	76-77	Character	Number of hours on an average day that the participant danced (99 = missing; '' = did not dance in the last 12 months)
D64C27	78-79	Character	Number of minutes on an average day that the participant danced (99 = missing; '' = did not dance in the last 12 months)
D64C29	80	Character	In the last 12 months, has the participant lifted or carried heavy things at work? (1 = yes; 2 = no)
D64C42	81-82	Character	Average number of days per month that the participant lifted or carried heavy things at work (99 = missing; '' = did not lift or carry heavy things at work in the last 12 months)
D64C44	83-84	Character	Number of hours on an average day that the participant lifted or carried heavy things at work (99 = missing; '' = did not lift or carry heavy things at work in the last 12 months)
D64C46	85-86	Character	Number of minutes on an average day that the participant lifted or carried heavy things at work (98 = don't know; 99 = missing; '' = did not lift or carry heavy things at work in the last 12 months)
D64C48	87	Character	In the last 12 months, has the participant walked at work? (1 = yes; 2 = no)
D64C61	88-89	Character	Average number of days per month that the participant walked at work (99 = missing; '' = did not walk at work in the last 12 months)
D64C63	90-91	Character	Number of hours on an average day that the participant walked at work (99 = missing; '' = did not walk at work in the last 12 months)
D64C65	92-93	Character	Number of minutes on an average day that the participant walked at work (98 = don't know; 99 = missing; '' = did not walk at work in the last 12 months)
D64C67	94	Character	In the last 12 months, has the participant performed exercise at home? (1 = yes; 2 = no; 7 = refused)
D65C10	95-96	Character	Average number of days per month that the participant performed exercise at home (99 = missing; '' = did not perform exercise at home in the last 12 months)
D65C12	97-98	Character	Number of hours on an average day that the participant performed exercise at home (99 = missing; '' = did not perform exercise at home in the last 12 months)
D65C14	99-100	Character	Number of minutes on an average day that the participant performed exercise at home (99 = missing; '' = did not perform exercise at home in the last 12 months)
D65C16	101	Character	In the last 12 months, has the participant performed exercise in a health club? (1 = yes; 2 = no; 7 = refused)
D65C29	102-103	Character	Average number of days per month that the participant performed exercise in a health club (99 = missing; '' = did not perform exercise in a health club in the last 12 months)
D65C31	104-105	Character	Number of hours on an average day that the participant performed exercise in a health club (99 = missing; '' = did not perform exercise in a health club in the last 12 months)
D65C33	106-107	Character	Number of minutes on an average day that the participant performed exercise in a health club (99 = missing; '' = did not perform exercise in a health club in the last 12 months)
D65C35	108	Character	In the last 12 months, has the participant combined jogging and walking for exercise? (1 = yes; 2 = no; 7 = refused)
D65C48	109-110	Character	Average number of days per month that the participant combined jogging and walking for exercise (99 = missing; '' = did not combine jogging and walking for exercise in the last 12 months)
D65C50	111-112	Character	Number of hours on an average day that the participant combined jogging and walking for exercise (99 = missing; '' = did not combine jogging and walking for exercise in the last 12 months)

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
D65C52	113-114	Character	Number of minutes on an average day that the participant combined jogging and walking for exercise (99 = missing; '' = did not combine jogging and walking for exercise in the last 12 months)
D65C54	115	Character	In the last 12 months, has the participant ran for exercise? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D65C67	116-117	Character	Average number of days per month that the participant ran for exercise (99 = missing; '' = did not run for exercise in the last 12 months)
D65C69	118-119	Character	Number of hours on an average day that the participant ran for exercise (99 = missing; '' = did not run for exercise in the last 12 months)
D65C71	120-121	Character	Number of minutes on an average day that the participant ran for exercise (99 = missing; '' = did not run for exercise in the last 12 months)
D66C10	122	Character	In the last 12 months, has the participant lifted weights for exercise? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D66C23	123-124	Character	Average number of days per month that the participant lifted weights for exercise (99 = missing; '' = did not lift weights for exercise in the last 12 months)
D66C25	125-126	Character	Number of hours on an average day that the participant lifted weights for exercise (99 = missing; '' = did not lift weights for exercise in the last 12 months)
D66C27	127-128	Character	Number of minutes on an average day that the participant lifted weights for exercise (99 = missing; '' = did not lift weights for exercise in the last 12 months)
D66C29	129	Character	In the last 12 months, has the participant water-skied (1 ride = 5 min.)? (1 = yes; 2 = no; 7 = refused)
D66C42	130-131	Character	Average number of days per month that the participant water-skied (1 ride = 5 min.) ('' = did not water-ski in the last 12 months)
D66C44	132-133	Character	Number of hours on an average day that the participant water-skied (1 ride = 5 min.) ('' = did not water-ski in the last 12 months)
D66C46	134-135	Character	Number of minutes on an average day that the participant water-skied (1 ride = 5 min.) ('' = did not water-ski in the last 12 months)
D66C48	136	Character	In the last 12 months, has the participant sailed in competition? (1 = yes; 2 = no; 7 = refused)
D66C61	137-138	Character	Average number of days per month that the participant sailed in competition (99 = missing; '' = did not sail in competition in the last 12 months)
D66C63	139-140	Character	Number of hours on an average day that the participant sailed in competition (99 = missing; '' = did not sail in competition in the last 12 months)
D66C65	141-142	Character	Number of minutes on an average day that the participant sailed in competition (99 = missing; '' = did not sail in competition in the last 12 months)
D66C67	143	Character	In the last 12 months, has the participant canoed or rowed for pleasure? (1 = yes; 2 = no; 7 = refused)
D67C10	144-145	Character	Average number of days per month that the participant canoed or rowed for pleasure (99 = missing; '' = did not canoe or row for pleasure in the last 12 months)
D67C12	146-147	Character	Number of hours on an average day that the participant canoed or rowed for pleasure (99 = missing; '' = did not canoe or row for pleasure in the last 12 months)
D67C14	148-149	Character	Number of minutes on an average day that the participant canoed or rowed for pleasure (99 = missing; '' = did not canoe or row for pleasure in the last 12 months)
D67C16	150	Character	In the last 12 months, has the participant canoed or rowed in competition? (1 = yes; 2 = no; 7 = refused)

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
D67C29	151-152	Character	Average number of days per month that the participant canoed or rowed in competition (99 = missing; '' = did not canoe or row in competition in the last 12 months)
D67C31	153-154	Character	Number of hours on an average day that the participant canoed or rowed in competition (99 = missing; '' = did not canoe or row in competition in the last 12 months)
D67C33	155-156	Character	Number of minutes on an average day that the participant canoed or rowed in competition (99 = missing; '' = did not canoe or row in competition in the last 12 months)
D67C35	157	Character	In the last 12 months, has the participant canoed on a camping trip? (1 = yes; 2 = no; 7 = refused)
D67C48	158-159	Character	Average number of days per month that the participant canoed on a camping trip ('' = did not canoe on a camping trip in the last 12 months)
D67C50	160-161	Character	Number of hours on an average day that the participant canoed on a camping trip (99 = missing; '' = did not canoe on a camping trip in the last 12 months)
D67C52	162-163	Character	Number of minutes on an average day that the participant canoed on a camping trip (99 = missing; '' = did not canoe on a camping trip in the last 12 months)
D67C54	164	Character	In the last 12 months, has the participant swam at least 50 feet at a pool? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D67C67	165-166	Character	Average number of days per month that the participant swam at least 50 feet at a pool (99 = missing; '' = did not swim at least 50 feet at a pool in the last 12 months)
D67C69	167-168	Character	Number of hours on an average day that the participant swam at least 50 feet at a pool (99 = missing; '' = did not swim at least 50 feet at a pool in the last 12 months)
D67C71	169-170	Character	Number of minutes on an average day that the participant swam at least 50 feet at a pool (99 = missing; '' = did not swim at least 50 feet at a pool in the last 12 months)
D68C10	171	Character	In the last 12 months, has the participant swam at the beach? (1 = yes; 2 = no; 7 = refused)
D68C23	172-173	Character	Average number of days per month that the participant swam at the beach (99 = missing; '' = did not swim at the beach in the last 12 months)
D68C25	174-175	Character	Number of hours on an average day that the participant swam at the beach (99 = missing; '' = did not swim at the beach in the last 12 months)
D68C27	176-177	Character	Number of minutes on an average day that the participant swam at the beach (99 = missing; '' = did not swim at the beach in the last 12 months)
D68C29	178	Character	In the last 12 months, has the participant scuba dived? (1 = yes; 2 = no; 7 = refused)
D68C42	179-180	Character	Average number of days per month that the participant scuba dived ('' = did not scuba dive in the last 12 months)
D68C44	181-182	Character	Number of hours on an average day that the participant scuba dived ('' = did not scuba dive in the last 12 months)
D68C46	183-184	Character	Number of minutes on an average day that the participant scuba dived ('' = did not scuba dive in the last 12 months)
D68C48	185	Character	In the last 12 months, has the participant snorkeled? (1 = yes; 2 = no; 7 = refused)
D68C61	186-187	Character	Average number of days per month that the participant snorkeled (99 = missing; '' = did not snorkel in the last 12 months)
D68C63	188-189	Character	Number of hours on an average day that the participant snorkeled (99 = missing; '' = did not snorkel in the last 12 months)
D68C65	190-191	Character	Number of minutes on an average day that the participant snorkeled (99 = missing; '' = did not snorkel in the last 12 months)

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
D68C67	192	Character	In the last 12 months, has the participant performed downhill snow skiing? (1 = yes; 2 = no; 7 = refused)
D69C10	193-194	Character	Average number of days per month that the participant performed downhill snow skiing ('' = did not perform downhill snow skiing in the last 12 months)
D69C12	195-196	Character	Number of hours on an average day that the participant performed downhill snow skiing (99 = missing; '' = did not perform downhill snow skiing in the last 12 months)
D69C14	197-198	Character	Number of minutes on an average day that the participant performed downhill snow skiing (99 = missing; '' = did not perform downhill snow skiing in the last 12 months)
D69C16	199	Character	In the last 12 months, has the participant performed cross-country snow skiing? (1 = yes; 2 = no; 7 = refused)
D69C29	200-201	Character	Average number of days per month that the participant performed cross-country snow skiing (99 = missing; '' = did not perform cross-country snow skiing in the last 12 months)
D69C31	202-203	Character	Number of hours on an average day that the participant performed cross-country snow skiing (99 = missing; '' = did not perform cross-country snow skiing in the last 12 months)
D69C33	204-205	Character	Number of minutes on an average day that the participant performed cross-country snow skiing (99 = missing; '' = did not perform cross-country snow skiing in the last 12 months)
D69C35	206	Character	In the last 12 months, has the participant skated (ice or roller)? (1 = yes; 2 = no; 7 = refused)
D69C48	207-208	Character	Average number of days per month that the participant skated (ice or roller) ('' = did not skate (ice or roller) in the last 12 months)
D69C50	209-210	Character	Number of hours on an average day that the participant skated (ice or roller) ('' = did not skate (ice or roller) in the last 12 months)
D69C52	211-212	Character	Number of minutes on an average day that the participant skated (ice or roller) ('' = did not skate (ice or roller) in the last 12 months)
D69C54	213	Character	In the last 12 months, has the participant sledded or tobogganed? (1 = yes; 2 = no; 7 = refused)
D69C67	214-215	Character	Average number of days per month that the participant sledded or tobogganed ('' = did not sled or toboggan in the last 12 months)
D69C69	216-217	Character	Number of hours on an average day that the participant sledded or tobogganed ('' = did not sled or toboggan in the last 12 months)
D69C71	218-219	Character	Number of minutes on an average day that the participant sledded or tobogganed ('' = did not sled or toboggan in the last 12 months)
D70C10	220	Character	In the last 12 months, has the participant bowled (1 game = 10 min.)? (1 = yes; 2 = no; 7 = refused)
D70C23	221-222	Character	Average number of days per month that the participant bowled (1 game = 10 min.) (99 = missing; '' = did not bowl in the last 12 months)
D70C25	223-224	Character	Number of hours on an average day that the participant bowled (1 game = 10 min.) (99 = missing; '' = did not bowl in the last 12 months)
D70C27	225-226	Character	Number of minutes on an average day that the participant bowled (1 game = 10 min.) (99 = missing; '' = did not bowl in the last 12 months)
D70C29	227	Character	In the last 12 months, has the participant played volleyball? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D70C42	228-229	Character	Average number of days per month that the participant played volleyball (99 = missing; '' = did not play volleyball in the last 12 months)

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
D70C44	230-231	Character	Number of hours on an average day that the participant played volleyball (99 = missing; '' = did not play volleyball in the last 12 months)
D70C46	232-233	Character	Number of minutes on an average day that the participant played volleyball (99 = missing; '' = did not play volleyball in the last 12 months)
D70C48	234	Character	In the last 12 months, has the participant played table tennis? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D70C61	235-236	Character	Average number of days per month that the participant played table tennis (99 = missing; '' = did not play table tennis in the last 12 months)
D70C63	237-238	Character	Number of hours on an average day that the participant played table tennis (99 = missing; '' = did not play table tennis in the last 12 months)
D70C65	239-240	Character	Number of minutes on an average day that the participant played table tennis (99 = missing; '' = did not play table tennis in the last 12 months)
D70C67	241	Character	In the last 12 months, has the participant played singles tennis (1 set = 20 min.)? (1 = yes; 2 = no; 7 = refused)
D71C10	242-243	Character	Average number of days per month that the participant played singles tennis (1 set = 20 min.) ('' = did not play singles tennis in the last 12 months)
D71C12	244-245	Character	Number of hours on an average day that the participant played singles tennis (1 set = 20 min.) ('' = did not play singles tennis in the last 12 months)
D71C14	246-247	Character	Number of minutes on an average day that the participant played singles tennis (1 set = 20 min.) ('' = did not play singles tennis in the last 12 months)
D71C16	248	Character	In the last 12 months, has the participant played doubles tennis (1 set = 30 min.)? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D71C29	249-250	Character	Average number of days per month that the participant played doubles tennis (1 set = 30 min.) (99 = missing; '' = did not play doubles tennis in the last 12 months)
D71C31	251-252	Character	Number of hours on an average day that the participant played doubles tennis (1 set = 30 min.) (99 = missing; '' = did not play doubles tennis in the last 12 months)
D71C33	253-254	Character	Number of minutes on an average day that the participant played doubles tennis (1 set = 30 min.) (99 = missing; '' = did not play doubles tennis in the last 12 months)
D71C35	255	Character	In the last 12 months, has the participant played softball (7 innings = 10 min.; add 10 min. if pitcher or catcher)? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D71C48	256-257	Character	Average number of days per month that the participant played softball (7 innings = 10 min.; add 10 min. if pitcher or catcher) (99 = missing; '' = did not play softball in the last 12 months)
D71C50	258-259	Character	Number of hours on an average day that the participant play softball (7 innings = 10 min.; add 10 min. if pitcher or catcher) (99 = missing; '' = did not play softball in the last 12 months)
D71C52	260-261	Character	Number of minutes on an average day that the participant played softball (7 innings = 10 min.; add 10 min. if pitcher or catcher) (99 = missing; '' = did not play softball in the last 12 months)
D71C54	262	Character	In the last 12 months, has the participant played badminton? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D71C67	263-264	Character	Average number of days per month that the participant played badminton (99 = missing; '' = did not play badminton in the last 12 months)
D71C69	265-266	Character	Number of hours on an average day that the participant played badminton (99 = missing; '' = did not play badminton in the last 12 months)



<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
D71C71	267-268	Character	Number of minutes on an average day that the participant played badminton (99 = missing; '' = did not play badminton in the last 12 months)
D72C10	269	Character	In the last 12 months, has the participant played paddleball? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D72C23	270-271	Character	Average number of days per month that the participant played paddleball (99 = missing; '' = did not play paddleball in the last 12 months)
D72C25	272-273	Character	Number of hours on an average day that the participant played paddleball (99 = missing; '' = did not play paddleball in the last 12 months)
D72C27	274-275	Character	Number of minutes on an average day that the participant played paddleball (99 = missing; '' = did not play paddleball in the last 12 months)
D72C29	276	Character	In the last 12 months, has the participant played racquetball? (1 = yes; 2 = no; 7 = refused)
D72C42	277-278	Character	Average number of days per month that the participant played racquetball ('' = did not play racquetball in the last 12 months)
D72C44	279-280	Character	Number of hours on an average day that the participant played racquetball ('' = did not play racquetball in the last 12 months)
D72C46	281-282	Character	Number of minutes on an average day that the participant played racquetball ('' = did not play racquetball in the last 12 months)
D72C48	283	Character	In the last 12 months, has the participant played basketball (non-game)? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D72C61	284-285	Character	Average number of days per month that the participant played basketball (non-game) (99 = missing; '' = did not play basketball (non-game) in the last 12 months)
D72C63	286-287	Character	Number of hours on an average day that the participant played basketball (non-game) (99 = missing; '' = did not play basketball (non-game) in the last 12 months)
D72C65	288-289	Character	Number of minutes on an average day that the participant played basketball (non-game) (99 = missing; '' = did not play basketball (non-game) in the last 12 months)
D72C67	290	Character	In the last 12 months, has the participant played basketball (game play)? (1 = yes; 2 = no; 7 = refused)
D73C10	291-292	Character	Average number of days per month that the participant played basketball (game play) (99 = missing; '' = did not play basketball (game play) in the last 12 months)
D73C12	293-294	Character	Number of hours on an average day that the participant played basketball (game play) (99 = missing; '' = did not play basketball (game play) in the last 12 months)
D73C14	295-296	Character	Number of minutes on an average day that the participant played basketball (game play) (99 = missing; '' = did not play basketball (game play) in the last 12 months)
D73C16	297	Character	In the last 12 months, has the participant officiated basketball? (1 = yes; 2 = no; 7 = refused)
D73C29	298-299	Character	Average number of days per month that the participant officiated basketball ('' = did not officiate basketball in the last 12 months)
D73C31	300-301	Character	Number of hours on an average day that the participant officiated basketball ('' = did not officiate basketball in the last 12 months)
D73C33	302-303	Character	Number of minutes on an average day that the participant officiated basketball ('' = did not officiate basketball in the last 12 months)
D73C35	304	Character	In the last 12 months, has the participant played touch football? (1 = yes; 2 = no; 7 = refused)
D73C48	305-306	Character	Average number of days per month that the participant played touch football ('' = did not play touch football in the last 12 months)

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
D73C50	307-308	Character	Number of hours on an average day that the participant played touch football ('' = did not play touch football in the last 12 months)
D73C52	309-310	Character	Number of minutes on an average day that the participant played touch football ('' = did not play touch football in the last 12 months)
D73C54	311	Character	In the last 12 months, has the participant played handball? (1 = yes; 2 = no; 7 = refused)
D73C67	312-313	Character	Average number of days per month that the participant played handball ('' = did not play handball in the last 12 months)
D73C69	314-315	Character	Number of hours on an average day that the participant played handball ('' = did not play handball in the last 12 months)
D73C71	316-317	Character	Number of minutes on an average day that the participant played handball ('' = did not play handball in the last 12 months)
D74C10	318	Character	In the last 12 months, has the participant played squash? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D74C23	319-320	Character	Average number of days per month that the participant played squash (99 = missing; '' = did not play squash in the last 12 months)
D74C25	321-322	Character	Number of hours on an average day that the participant played squash (99 = missing; '' = did not play squash in the last 12 months)
D74C27	323-324	Character	Number of minutes on an average day that the participant played squash (99 = missing; '' = did not play squash in the last 12 months)
D74C29	325	Character	In the last 12 months, has the participant played soccer? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D74C42	326-327	Character	Average number of days per month that the participant played soccer (99 = missing; '' = did not play soccer in the last 12 months)
D74C44	328-329	Character	Number of hours on an average day that the participant played soccer (99 = missing; '' = did not play soccer in the last 12 months)
D74C46	330-331	Character	Number of minutes on an average day that the participant played soccer (99 = missing; '' = did not play soccer in the last 12 months)
D74C48	332	Character	In the last 12 months, has the participant played golf (riding a power cart – 1 hr., 30 min. for 9 holes)? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D74C61	333-334	Character	Average number of days per month that the participant played golf (riding a power cart – 1 hr., 30 min. for 9 holes) (99 = missing; '' = did not play golf (riding a power cart) in the last 12 months)
D74C63	335-336	Character	Number of hours on an average day that the participant played golf (riding a power cart – 1 hr., 30 min. for 9 holes) (99 = missing; '' = did not play golf (riding a power cart) in the last 12 months)
D74C65	337-338	Character	Number of minutes on an average day that the participant played golf (riding a power cart – 1 hr., 30 min. for 9 holes) (99 = missing; '' = did not play golf (riding a power cart) in the last 12 months)
D74C67	339	Character	In the last 12 months, has the participant played golf (walking or pulling clubs on a cart – 1 hr., 30 min. for 9 holes)? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D75C10	340-341	Character	Average number of days per month that the participant played golf (walking or pulling clubs on a cart – 1 hr., 30 min. for 9 holes) (99 = missing; '' = did not play golf (walking or pulling clubs on a cart) in the last 12 months)
D75C12	342-343	Character	Number of hours on an average day that the participant played golf (walking or pulling clubs on a cart – 1 hr., 30 min. for 9 holes) (99 = missing; '' = did not play golf (walking or pulling clubs on a cart) in the last 12 months)
D75C14	344-345	Character	Number of minutes on an average day that the participant played golf (walking or pulling clubs on a cart – 1 hr., 30 min. for 9 holes) (99 = missing; '' = did not play golf (walking or pulling clubs on a cart – 1 hr., 30 min. for 9 holes) in the last 12 months)

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
D75C16	346	Character	In the last 12 months, has the participant mowed a lawn using a riding mower? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D75C29	347-348	Character	Average number of days per month that the participant mowed a lawn using a riding mower (99 = missing; '' = did not mow a lawn using a riding mower in the last 12 months)
D75C31	349-350	Character	Number of hours on an average day that the participant mowed a lawn using a riding mower (99 = missing; '' = did not mow a lawn using a riding mower in the last 12 months)
D75C33	351-352	Character	Number of minutes on an average day that the participant mowed a lawn using a riding mower (99 = missing; '' = did not mow a lawn using a riding mower in the last 12 months)
D75C35	353	Character	In the last 12 months, has the participant mowed a lawn walking behind a power mower? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D75C48	354-355	Character	Average number of days per month that the participant mowed a lawn walking behind a power mower (99 = missing; '' = did not mow a lawn walking behind a power mower in the last 12 months)
D75C50	356-357	Character	Number of hours on an average day that the participant mowed a lawn walking behind a power mower (99 = missing; '' = did not mow a lawn walking behind a power mower in the last 12 months)
D75C52	358-359	Character	Number of minutes on an average day that the participant mowed a lawn walking behind a power mower (99 = missing; '' = did not mow a lawn walking behind a power mower in the last 12 months)
D75C54	360	Character	In the last 12 months, has the participant mowed a lawn pushing a hand mower? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D75C67	361-362	Character	Average number of days per month that the participant mowed a lawn pushing a hand mower (99 = missing; '' = did not mow a lawn pushing a hand mower in the last 12 months)
D75C69	363-364	Character	Number of hours on an average day that the participant mowed a lawn pushing a hand mower (99 = missing; '' = did not mow a lawn pushing a hand mower in the last 12 months)
D75C71	365-366	Character	Number of minutes on an average day that the participant mowed a lawn pushing a hand mower (99 = missing; '' = did not mow a lawn pushing a hand mower in the last 12 months)
D76C10	367	Character	In the last 12 months, has the participant weeded and cultivated a garden? (1 = yes; 2 = no; 7 = refused)
D76C23	368-369	Character	Average number of days per month that the participant weeded and cultivated a garden (99 = missing; '' = did not weed or cultivate a garden in the last 12 months)
D76C25	370-371	Character	Number of hours on an average day that the participant weeded and cultivated a garden (99 = missing; '' = did not weed or cultivate a garden in the last 12 months)
D76C27	372-373	Character	Number of minutes on an average day that the participant weeded and cultivated a garden (99 = missing; '' = did not weed or cultivate a garden in the last 12 months)
D76C29	374	Character	In the last 12 months, has the participant spaded, dug, or filled in a garden? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D76C42	375-376	Character	Average number of days per month that the participant spaded, dug, or filled in a garden (99 = missing; '' = did not spade, dig, or fill in a garden in the last 12 months)
D76C44	377-378	Character	Number of hours on an average day that the participant spaded, dug, or filled in a garden (99 = missing; '' = did not spade, dig, or fill in a garden in the last 12 months)

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
D76C46	379-380	Character	Number of minutes on an average day that the participant spaded, dug, or filled in a garden (99 = missing; '' = did not spade, dig, or fill in a garden in the last 12 months)
D76C48	381	Character	In the last 12 months, has the participant raked a lawn? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D76C61	382-383	Character	Average number of days per month that the participant raked a lawn (99 = missing; '' = did not rake a lawn in the last 12 months)
D76C63	384-385	Character	Number of hours on an average day that the participant raked a lawn (99 = missing; '' = did not rake a lawn in the last 12 months)
D76C65	386-387	Character	Number of minutes on an average day that the participant raked a lawn (99 = missing; '' = did not rake a lawn in the last 12 months)
D76C67	388	Character	In the last 12 months, has the participant shoveled snow by hand? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D77C10	389-390	Character	Average number of days per month that the participant shoveled snow by hand (99 = missing; '' = did not shovel snow by hand in the last 12 months)
D77C12	391-392	Character	Number of hours on an average day that the participant shoveled snow by hand (99 = missing; '' = did not shovel snow by hand in the last 12 months)
D77C14	393-394	Character	Number of minutes on an average day that the participant shoveled snow by hand (99 = missing; '' = did not shovel snow by hand in the last 12 months)
D77C16	395	Character	In the last 12 months, has the participant performed carpentry in a workshop? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D77C29	396-397	Character	Average number of days per month that the participant performed carpentry in a workshop (99 = missing; '' = did not perform carpentry in a workshop in the last 12 months)
D77C31	398-399	Character	Number of hours on an average day that the participant performed carpentry in a workshop (99 = missing; '' = did not perform carpentry in a workshop in the last 12 months)
D77C33	400-401	Character	Number of minutes on an average day that the participant performed carpentry in a workshop (99 = missing; '' = did not perform carpentry in a workshop in the last 12 months)
D77C35	402	Character	In the last 12 months, has the participant painted inside of a house (including paper hanging)? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D77C48	403-404	Character	Average number of days per month that the participant painted inside of a house (including paper hanging) (99 = missing; '' = did not paint inside of a house (including paper hanging) in the last 12 months)
D77C50	405-406	Character	Number of hours on an average day that the participant painted inside of a house (including paper hanging) (99 = missing; '' = did not paint inside of a house (including paper hanging) in the last 12 months)
D77C52	407-408	Character	Number of minutes on an average day that the participant painted inside of a house (including paper hanging) (99 = missing; '' = did not paint inside of a house (including paper hanging) in the last 12 months)
D77C54	409	Character	In the last 12 months, has the participant performed carpentry outside? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D77C67	410-411	Character	Average number of days per month that the participant performed carpentry outside (99 = missing; '' = did not perform carpentry outside in the last 12 months)
D77C69	412-413	Character	Number of hours on an average day that the participant performed carpentry outside (99 = missing; '' = did not perform carpentry outside in the last 12 months)

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
D77C71	414-415	Character	Number of minutes on an average day that the participant performed carpentry outside (99 = missing; '' = did not perform carpentry outside in the last 12 months)
D78C10	416	Character	In the last 12 months, has the participant painted outside of a house? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D78C23	417-418	Character	Average number of days per month that the participant painted outside of a house (99 = missing; '' = did not paint outside of a house in the last 12 months)
D78C25	419-420	Character	Number of hours on an average day that the participant painted outside of a house (99 = missing; '' = did not paint outside of a house in the last 12 months)
D78C27	421-422	Character	Number of minutes on an average day that the participant painted outside of a house (99 = missing; '' = did not paint outside of a house in the last 12 months)
D78C29	423	Character	In the last 12 months, has the participant hunted pheasants or grouse? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D78C42	424-425	Character	Average number of days per month that the participant hunted pheasants or grouse (99 = missing; '' = did not hunt pheasants or grouse in the last 12 months)
D78C44	426-427	Character	Number of hours on an average day that the participant hunted pheasants or grouse (99 = missing; '' = did not hunt pheasants or grouse in the last 12 months)
D78C46	428-429	Character	Number of minutes on an average day that the participant hunted pheasants or grouse (99 = missing; '' = did not hunt pheasants or grouse in the last 12 months)
D78C48	430	Character	In the last 12 months, has the participant hunted rabbits, prairie chickens, squirrels, or raccoons? (1 = yes; 2 = no; 7 = refused; 9 = missing)
D78C61	431-432	Character	Average number of days per month that the participant hunted rabbits, prairie chickens, squirrels, or raccoons (99 = missing; '' = did not hunt rabbits, prairie chickens, squirrels, or raccoons in the last 12 months)
D78C63	433-434	Character	Number of hours on an average day that the participant hunted rabbits, prairie chickens, squirrels, or raccoons (99 = missing; '' = did not hunt rabbits, prairie chickens, squirrels, or raccoons in the last 12 months)
D78C65	435-436	Character	Number of minutes on an average day that the participant hunted rabbits, prairie chickens, squirrels, or raccoons (99 = missing; '' = did not hunt rabbits, prairie chickens, squirrels, or raccoons in the last 12 months)
D78C67	437	Character	In the last 12 months, has the participant hunted large game (deer, elk, or bear)? (1 = yes; 2 = no; 7 = refused)
D79C10	438-439	Character	Average number of days per month that the participant hunted large game (deer, elk, or bear) (99 = missing; '' = did not hunt large game (deer, elk, or bear) in the last 12 months)
D79C12	440-441	Character	Number of hours on an average day that the participant hunted large game (deer, elk, or bear) (99 = missing; '' = did not hunt large game (deer, elk, or bear) in the last 12 months)
D79C14	442-443	Character	Number of minutes on an average day that the participant hunted large game (deer, elk, or bear) (99 = missing; '' = did not hunt large game (deer, elk, or bear) in the last 12 months)
D79C16	444	Character	In the last 12 months, has the participant performed other activities (#1)? (1 = yes; 2 or '' = no; 7 = refused)
D79C29	445-446	Character	Average number of days per month that the participant performed other activities (#1) (99 = missing; '' = did not perform other activities (#1) in the last 12 months)

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
D79C31	447-448	Character	Number of hours on an average day that the participant performed other activities (#1) (99 = missing; '' = did not perform other activities (#1) in the last 12 months)
D79C33	449-450	Character	Number of minutes on an average day that the participant performed other activities (#1) (99 = missing; '' = did not perform other activities (#1) in the last 12 months)
D79C35	451	Character	In the last 12 months, has the participant performed other activities (#2)? (1 = yes; 2 or '' = no; 7 = refused; 9 = missing)
D79C48	452-453	Character	Average number of days per month that the participant performed other activities (#2) (99 = missing; '' = did not perform other activities (#2) in the last 12 months)
D79C50	454-455	Character	Number of hours on an average day that the participant performed other activities (#2) (99 = missing; '' = did not perform other activities (#2) in the last 12 months)
D79C52	456-457	Character	Number of minutes on an average day that the participant performed other activities (#2) (99 = missing; '' = did not perform other activities (#2) in the last 12 months)
D79C54	458	Character	In the last 12 months, has the participant performed other activities (#3)? (1 = yes; 2 or '' = no; 7 = refused)
D79C67	459-460	Character	Average number of days per month that the participant performed other activities (#3) ('' = did not performed other activities (#3) in the last 12 months)
D79C69	461-462	Character	Number of hours on an average day that the participant performed other activities (#3) ('' = did not perform other activities (#3) in the last 12 months)
D79C71	463-464	Character	Number of minutes on an average day that the participant performed other activities (#3) ('' = did not perform other activities (#3) in the last 12 months)
D51C53	465	Character	Has the participant smoked at least 100 cigarettes in his entire lifetime? (1 = yes; 2 = no)
D51C54	466	Character	Does the participant smoke cigarettes now? (1 = yes; 2 = no)
D52C76	467	Character	Has the participant smoked at least 50 pipefuls of tobacco in his entire lifetime? (1 = yes; 2 = no)
D53C72	468	Character	Has the participant smoked at least 50 cigars in his entire lifetime? (1 = yes; 2 = no)
D55C19	469	Character	Is the participant's mother's birthday in the month of June?/Has the participant ever smoked marijuana or hashish? (proportion for marijuana question estimated by random response techniques – see 1985 follow-up report: p. 2-4) (1 = yes; 2 = no; 7 or 8 = did not answer)
D55C20	470	Character	Is the participant's father's birthday in the month of December?/Has the participant smoked marijuana or hashish in the last 30 days? (proportion for marijuana question estimated by random response techniques – see 1985 follow-up report: p. 2-4) (1 = yes; 2 = no; 7 or 8 = did not answer)
D55C39	471	Character	Has the participant had any alcoholic beverages, including beer, wine, or liquor, since the date of the last interview? (1 = yes; 2 = no)
CIGSDAY	472-488	Numeric	Cigarettes per day (current use in 1985) (. = not currently smoking cigarettes)
PACKYR	489-506	Numeric	Lifetime cigarette smoking history (cumulative pack-years) (. = missing or has not smoked more than 100 cigarettes in his lifetime)
CGARYR	507-524	Numeric	Lifetime cigar smoking history (cumulative cigar-years) (. = missing or has not smoked more than 50 cigars in his lifetime)
PIPEYR	525-542	Numeric	Lifetime pipe smoking history (cumulative pipe-years) (. = missing or has not smoked more than 50 pipefuls of tobacco in his lifetime)

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
DRKDAY	543-549	Numeric	Current (1985) use of alcohol (drinks per day) (. = missing or did not drink alcoholic beverages since baseline (1982) interview)
DRKYR	550-559	Numeric	Alcohol use since baseline (1982) interview (. = missing or did not drink alcoholic beverages since baseline (1982) interview)
DRKYRCUM	560-570	Numeric	Lifetime alcohol use (drink-years) (. = missing or did not drink alcoholic beverages since baseline (1982) interview)

The file RENAL\_85.DAT contains data from the 1985 follow-up (Cycle 2) examination that were used to perform the exposure analyses for the Renal chapter (Chapter 17 – 1985 follow-up report).

Variable	Column	Variable Type	Comment
SEQNO	1-5	Character	AFHS subject identification
EXPGRP	6-7	Character	Exposure group [O = Original Comparison; R1 = Replacement Comparison fully compliant at Cycle 1 (1982) and Cycle 2 (1985); R2 = Replacement Comparison first fully compliant at Cycle 2 (1985); RH = Ranch Hand]
CGI	8	Numeric	Exposure group [0 = Ranch Hand; 1 = Original Comparison; 2 = Replacement Comparison fully compliant at Cycle 1 (1982) and Cycle 2 (1985); 3 = Replacement Comparison first fully compliant at Cycle 2 (1985)]
RACE	9-10	Character	Race [BL = Black; NB = non-Black]
RACENUM	11	Numeric	Race [1 = Black; 2 = non-Black]
EXPINDEX	12	Numeric	Exposure index (based on gallons of effective Herbicide Orange) (Ranch Hands only) [1 = low exposure ( $\leq 35,000$ for officers; $\leq 50,000$ for enlisted flyers; $\leq 20,000$ for enlisted groundcrew); 2 = medium exposure ( $> 35,000$ and $\leq 70,000$ for officers; $> 50,000$ and $\leq 85,000$ for enlisted flyers; $> 20,000$ and $\leq 27,000$ for enlisted groundcrew); 3 = high exposure ( $> 70,000$ for officers; $> 85,000$ for enlisted flyers; $> 27,000$ for enlisted groundcrew); . = Comparisons]
BUNA	13-14	Numeric	Blood urea nitrogen (BUN) (mg/dl)
OCCURB	15	Character	Urinary red blood cell count (red blood cells (RBC) per high-powered field (HPF)) [N = normal (absent); A = abnormal ( $\geq 1$ ); ' ' = missing]
OCCURBI	16	Numeric	Urinary red blood cell count (RBC per HPF) [1 = normal (absent); 2 = abnormal ( $\geq 1$ ); 9 = missing]
URWBC	17	Character	Urinary white blood cell count (WBC (white blood cells) per HPF) [N = normal ( $\leq 2$ ); A = abnormal ( $> 2$ ); ' ' = missing]
URWBCI	18	Numeric	Urinary white blood cell count (WBC per HPF) [1 = normal ( $\leq 2$ ); 2 = abnormal ( $> 2$ ); 9 = missing]
KIDDIS	19	Character	History of kidney disease [N = normal (no); A = abnormal (yes); ' ' = missing]
KIDDISI	20	Numeric	History of kidney disease [1 = normal (no); 2 = abnormal (yes); 9 = missing]
AGEBGP	21-24	Character	Age group in 1982 [LE40 = less than or equal to 40 years of age; GT40 = greater than 40 years of age]
AGEBI	25	Numeric	Age group in 1982 [1 = less than or equal to 40 years of age; 2 = greater than 40 years of age]
OCC	26-28	Character	Occupation [OFF = officer; EFL = enlisted flyer; EGC = enlisted groundcrew]
OCCI	29	Numeric	Occupation [1 = officer; 4 = enlisted flyer; 5 = enlisted groundcrew]
DB_2HR	30	Character	Diabetic class [N = normal (2-hour postprandial glucose $< 140$ mg/dl); I = impaired (2-hour postprandial glucose $\geq 140$ -200 mg/dl); A = abnormal (past history or 2-hour postprandial glucose $\geq 200$ mg/dl); ' ' = missing - unable to determine]
DB_2HRI	31	Numeric	Diabetic class [1 = normal (2-hour postprandial glucose $< 140$ mg/dl); 2 = impaired (2-hour postprandial glucose $\geq 140$ -200 mg/dl); 3 = diabetic (past history or 2-hour postprandial glucose $\geq 200$ mg/dl); 9 = missing - unable to determine]
UASP	32-36	Numeric	Urine specific gravity [. = missing]
URPROT	37	Character	Urinary protein [N = normal (absent); A = abnormal (present); ' ' = missing]



<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
URPROTI	38	Numeric	Urinary protein [1 = normal (absent); 2 = abnormal (present); 9 = missing]
BIRTHYR	39-42	Numeric	Year of birth

The file DERM\_85.DAT contains data from the 1985 follow-up (Cycle 2) examination that were used to perform the exposure analyses for the Dermatology chapter (Chapter 14 – 1985 follow-up report).

Variable	Column	Variable Type	Comment
SEQNO	1-5	Character	AFHS subject identification
AGEBASE	6-7	Numeric	Age (years) in 1982
AGEBGP	8-11	Character	Age group at baseline examination [LE40 = ≤40 years of age (born in or after 1942); 4060 = >40 years of age and < 60 years of age (born after 1922 and before 1942); GE60 = ≥60 years of age (born in or before 1922)]
AGEBI	12	Numeric	Age group at baseline examination [1 = ≤40 years of age (born in or after 1942); 2 = >40 years of age and < 60 years of age (born after 1922 and before 1942); 3 = ≥60 years of age (born in or before 1922)]
CGI	13	Numeric	Exposure group [0 = Ranch Hand; 1 = Original Comparison; 2 = Replacement Comparison fully compliant at Cycle 1 (1982) and Cycle 2 (1985); 3 = Replacement Comparison first fully compliant at Cycle 2 (1985)]
COME	14	Character	Comedones [N = normal (absent); A = abnormal (present); ' ' = missing]
COMEI	15	Numeric	Comedones [1 = absent; 2 = present; 9 = missing]
CYST	16	Character	Inclusion cysts [N = normal (absent); A = abnormal (present); ' ' = missing]
CYSTI	17	Numeric	Inclusion cysts [1 = absent; 2 = present; 9 = missing]
DEPIG	18	Character	Depigmentation [N = normal (absent); A = abnormal (present); ' ' = missing]
DEPIGI	19	Numeric	Depigmentation [1 = absent; 2 = present; 9 = missing]
DERMIDX	20	Numeric	Dermatology index (composite of comedones, acneiform lesions, acneiform scars, and inclusion cysts) [0 = none of these abnormalities present; 1 = one of these abnormalities present; 2 = two of these abnormalities present; 3 = three of these abnormalities present; 4 = four of these abnormalities present; 9 = missing - did not participate in dermatology exam]
EXPINDEX	21	Numeric	Exposure index (based on gallons of effective Herbicide Orange) (Ranch Hands only) [1 = low exposure (≤35,000 for officers; ≤50,000 for enlisted flyers; ≤20,000 for enlisted groundcrew); 2 = medium exposure (>35,000 and ≤ 70,000 for officers; >50,000 and ≤85,000 for enlisted flyers; >20,000 and ≤27,000 for enlisted groundcrew); 3 = high exposure (>70,000 for officers; >85,000 for enlisted flyers; >27,000 for enlisted groundcrew); . = Comparisons]
EXPGRP	22-23	Character	Exposure group [O = Original Comparison; R1 = Replacement Comparison fully compliant at Cycle 1 (1982) and Cycle 2 (1985); R2 = Replacement Comparison first fully compliant at Cycle 2 (1985); RH = Ranch Hand]
HYPPIG	24	Character	Hyperpigmentation [N = normal (absent); A = abnormal (present); ' ' = missing]
HYPPIGI	25	Numeric	Hyperpigmentation [1 = absent; 2 = present; 9 = missing]
LESION	26	Character	Acneiform lesions [N = normal (absent); A = abnormal (present); ' ' = missing]
OCC	27-29	Character	Occupation [OFF = officer; EFL = enlisted flyer; EGC = enlisted groundcrew]
OCCI	30	Numeric	Occupation [1 = officer; 4 = enlisted flyer; 5 = enlisted groundcrew]
OTHAB	31	Character	Other abnormalities (composite of jaundice, spider angiomas, palmar erythema, suspected melanoma, palmar keratoses, actinic keratoses, petechiae, ecchymoses, conjunctival abnormality, oral mucosal abnormality, fingernail abnormality, toenail abnormality, dermatographia, cutis rhomboidalis, suspected basal cell carcinoma, and suspected squamous cell carcinoma) [N = normal (all conditions absent); A = abnormal (at least one condition present); ' ' = missing]

Variable	Column	Variable Type	Comment
OTHABI	32	Numeric	Other abnormalities (composite of jaundice, spider angiomas, palmar erythema, suspected melanoma, palmar keratoses, actinic keratoses, petechiae, ecchymoses, conjunctival abnormality, oral mucosal abnormality, fingernail abnormality, toenail abnormality, dermatographia, cutis rhomboidalis, suspected basal cell carcinoma, and suspected squamous cell carcinoma) [1 = normal (all conditions absent); 2 = abnormal (at least one condition present); 9 = missing]
RACE	33-34	Character	Race [BL = Black; NB = non-Black]
RACENUM	35	Numeric	Race [1 = Black; 2 = non-Black]
SCAR	36	Character	Acneiform scars [N = normal (absent); A = abnormal (present); ' ' = missing]
SCARI	37	Numeric	Acneiform scars [1 = absent; 2 = present; 9 = missing]
LESIONI	38	Numeric	Acneiform lesions [1 = absent; 2 = present; 9 = missing]
SEAACNEI	39	Numeric	Pre-Southeast Asia acne [1 = no (no acne or post-SEA acne); 2 = yes; 9 = undetermined]
SEAACNE	40	Character	Pre-Southeast Asia acne [N = no (no acne or post-SEA acne); Y = yes; U = undetermined]
ACNE	41	Character	Occurrence of acne (lifetime) [N = no; Y = yes]
R1961	42-45	Character	Most recent acne, relative to 1961 [PRE = in or before 1961; POST = after 1961; UNDT = undetermined; ' ' = no occurrences of acne]
RSEA	46-49	Character	Acne relative to first Southeast Asia tour [PRE = before or during tour; POST = after tour; PP = before and after first tour; UNDT = undetermined; ' ' = no occurrences of acne, all acne in or before 1961, or time of acne undeterminable]
DURA	50-52	Numeric	Duration of acne occurrences (months) [. = no occurrences of acne, all acne in or before 1961, or duration of acne undeterminable]
VENN	53	Numeric	Location of acne [1 = temple; 2 = temple and eye; 3 = eye; 4 = temple and ear; 5 = temple, eye and ear; 6 = eye and ear; 7 = ear; 8 = other; . = no occurrences of acne, all acne in or before 1961, or location of acne undeterminable]
BIOPSY	54	Character	Biopsy taken? (N = no; Y = yes)

The file ENDO\_85.DAT contains data from the 1985 follow-up (Cycle 2) examination that were used to perform the exposure analyses for the Endocrine chapter (Chapter 18 – 1985 follow-up report).

Variable	Column	Variable Type	Comment
SEQNO	1-5	Character	AFHS subject identification
THYTSH	6-9	Numeric	Thyroid stimulating hormone (TSH) ( $\mu$ IU/ml) [. = missing]
SRMTESTO	10-13	Numeric	Serum testosterone (ng/dl) [. = missing]
CORT2HR	14-17	Numeric	Serum cortisol, drawn two hours after initial cortisol ( $\mu$ g/dl) [. = missing]
CORTINIT	18-21	Numeric	Initial cortisol ( $\mu$ g/dl) [. = missing]
THYT3U	22-25	Numeric	Triiodothyronine ( $T_3$ ) uptake (%) [. = missing]
GLU2HR	26-28	Numeric	2-hour postprandial glucose (mg/dl) [. = missing]
THYRSLI	29	Character	Thyroid problems diagnosed by a physician since baseline interview - participant response [1 = yes; 2 = no]
EXPINDEX	30	Numeric	Exposure index (based on gallons of effective Herbicide Orange) (Ranch Hands only) [1 = low exposure ( $\leq 35,000$ for officers; $\leq 50,000$ for enlisted flyers; $\leq 20,000$ for enlisted groundcrew); 2 = medium exposure ( $> 35,000$ and $\leq 70,000$ for officers; $> 50,000$ and $\leq 85,000$ for enlisted flyers; $> 20,000$ and $\leq 27,000$ for enlisted groundcrew); 3 = high exposure ( $> 70,000$ for officers; $> 85,000$ for enlisted flyers; $> 27,000$ for enlisted groundcrew); . = Comparisons]
EXPGRP	31-32	Character	Exposure group [O = Original Comparison; R1 = Replacement Comparison fully compliant at Cycle 1 (1982) and Cycle 2 (1985); R2 = Replacement Comparison first fully compliant at Cycle 2 (1985); RH = Ranch Hand]
RACE	33-34	Character	Race [BL = Black; NB = non-Black]
RACENUM	35	Numeric	Race [1 = Black; 2 = non-Black]
SSTYPE_A	36-40	Numeric	Personality type score [. = missing]
DIABIND	41	Numeric	Diabetes (used as an exclusion for analysis of 2-hour postprandial glucose) [0 = no (no history of diabetes); 1 = yes (history of diabetes)]
THYRIND	42	Numeric	Thyroidectomy or taking thyroid medication (used as an exclusion for analysis of $T_3$ and TSH) [0 = no; 1 = yes]
PCTFAT	43-46	Numeric	Body fat (percent) (. = missing)
DIABIND2	47	Numeric	Diabetes [0 = no (no history of diabetes and 2 hour postprandial glucose $< 200$ mg/dl); 1 = yes (history of diabetes or 2 hour postprandial glucose $\geq 200$ mg/dl)]
CRTCSTRD	48	Numeric	Taking corticosteroids (0 = no; 1 = yes) (used as an exclusion for cortisol analyses)
PETHY	49	Numeric	Thyroid assessment from physical examination [1 = normal; 2 = abnormal (thyroid enlarged, palpable, nodules present, or tender); 3 = refused exam]
SATHY	50	Numeric	Thyroid assessment based on self-administered questionnaire [1 = normal; 2 = abnormal (thyroid or goiter trouble, high thyroid level, lump in throat, or taking thyroid medication)]
OCC	51-53	Character	Occupation (OFF = officer, EFL = enlisted flyer; EGC = enlisted groundcrew)
DIFFCORT	54-58	Numeric	Differential cortisol - initial cortisol minus 2-hour cortisol ( $\mu$ g/dl) [. = missing]
ORCH	59	Character	Orchiectomy (N = no; Y = yes) (used as an exclusion for physical exam testes assessment)
ORCTSTRX	60	Character	Orchiectomy or taking testosterone medication (used as an exclusion for testosterone) (N = no; Y = yes)
TESTES	61	Character	Testes assessment from physical examination (A = abnormal (atrophied); N = normal; '' = missing)
PBFCAT	62-76	Character	Body fat category (LEAN ( $< 10\%$ ); NORMAL (10-25%); OBESE ( $> 25\%$ ); '' = missing)

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
SSTYPE	77	Character	Personality type category (A = Type A (SSTYPE_A > 0); B = Type B (SSTYPE_A ≤ 0); '' = missing)
YOB	78-81	Numeric	Year of birth
AGECAT	82-92	Character	Age category (BORN < 1942 = born before 1942; BORN ≥ 1942 = born in or after 1942)
GLUCAT	93-119	Character	2-hour postprandial category [DIABETIC (≥200 MG/DL); IMPAIRED (≥140-<200 MG/DL); NORMAL (<140 MG/DL); '' = missing]
CRT2CAT	120-125	Character	Differential cortisol category [HIGH = high (>25 µg/dl); NORMAL = normal (3-25 µg/dl); '' = missing]
CRTICAT	126-131	Character	Initial cortisol category [HIGH = high (>25 µg/dl); LOW = low (<7 µg/dl); NORMAL = normal (7-25 µg/dl); '' = missing]
T3CAT	132-137	Character	Triiodothyronine (T <sub>3</sub> ) uptake category [HIGH = high (>32 percent); LOW = low (<24 percent); NORMAL = normal (24-32 percent); '' = missing]
TSHCAT	138-143	Character	Thyroid stimulating hormone category [HIGH = high (>7.5 µIU/ml); NORMAL (≤7.5 µIU/ml); '' = missing]
TESTCAT	144-149	Character	Serum testosterone category [HIGH = high (>1,100 ng/dl); LOW = low; (<270 ng/dl); NORMAL = normal (270-1,100 ng/dl); '' = missing]

The file GAST\_85.DAT contains data from the 1985 follow-up (Cycle 2) examination that were used to perform the exposure analyses for the Gastrointestinal chapter (Chapter 13 – 1985 follow-up report).

Variable	Column	Variable Type	Comment
SEQNO	1-5	Character	AFHS subject identification
EXPGRP	6-7	Character	Exposure group [O = Original Comparison; R1 = Replacement Comparison fully compliant at Cycle 1 (1982) and Cycle 2 (1985); R2 = Replacement Comparison first fully compliant at Cycle 2 (1985); RH = Ranch Hand]
CGI	8	Numeric	Exposure group [1 = Original Comparison; 2 = Replacement Comparison fully compliant at Cycle 1 (1982) and Cycle 2 (1985); 3 = Replacement Comparison first fully compliant at Cycle 2 (1985); 4 = Ranch Hand]
RACE	9-10	Character	Race [BL = Black; NB = non-Black]
RACENUM	11	Numeric	Race [1 = Black; 2 = non-Black]
EXPINDEX	12	Numeric	Exposure index (based on gallons of effective Herbicide Orange) (Ranch Hands only) [1 = low exposure ( $\leq 35,000$ for officers; $\leq 50,000$ for enlisted flyers; $\leq 20,000$ for enlisted groundcrew); 2 = medium exposure ( $> 35,000$ and $\leq 70,000$ for officers; $> 50,000$ and $\leq 85,000$ for enlisted flyers; $> 20,000$ and $\leq 27,000$ for enlisted groundcrew); 3 = high exposure ( $> 70,000$ for officers; $> 85,000$ for enlisted flyers; $> 27,000$ for enlisted groundcrew); . = Comparisons]
BUNA	13-14	Numeric	Blood urea nitrogen (BUN) (mg/dl)
HBSG	15-18	Character	Hepatitis B surface antigen [CPOS = positive for hepatitis B surface antigen; NEG = negative for hepatitis B surface antigen; ' ' = missing]
TEMPURE	19-23	Numeric	Oral temperature (degrees Fahrenheit) at time of physical examination
GGTA	24-27	Numeric	Gamma glutamyl transpeptidase (gamma glutamyl transferase) (GGT) (U/L)
ALC_INT	28-32	Numeric	Current alcohol use (drinks/day) [. = missing]
CWINEAMT	33-34	Numeric	Current wine consumption (drinks of wine/day) [. = missing]
HEPTOM	35	Numeric	Current hepatomegaly (physical examination) [1 = normal (no); 2 = abnormal (yes); 3 = unable to determine]
SGOTA	36-38	Numeric	Serum glutamyl oxaloacetic transaminase (SGOT) (aspartate aminotransferase (AST)) (U/L)
SGPTA	39-41	Numeric	Serum glutamyl pyruvic transaminase (SGPT) (alanine aminotransferase (ALT)) (U/L)
ALKA	42-44	Numeric	Alkaline phosphatase (U/L)
TBILA	45-47	Numeric	Total bilirubin (mg/dl)
DBILA	48-50	Numeric	Direct bilirubin (mg/dl)
LDHA	51-53	Numeric	Lactic dehydrogenase (LDH) (U/L)
CHOLA	54-56	Numeric	Cholesterol (mg/dl)
TRIGA	57-60	Numeric	Triglycerides (mg/dl)
AFURO	61-64	Numeric	Uroporphyrins (mg/24 hours) [. = missing]
AFCOPR	65-67	Numeric	Coproporphyrins (mg/24 hours) [. = missing]
STOT3	68-72	Numeric	Cumulative exposure to industrial chemicals (days)
STOT6	73-77	Numeric	Cumulative exposure to degreasing chemicals (days)
BTYPE	78-79	Character	Blood type [A; B; AB; O; ' ' = missing]
QXULCER	80-86	Character	Peptic ulcer disease, self-reported on questionnaire [CURRENT; PAST; NONE = no history; ' ' = missing]
PEULCER	87	Numeric	Peptic ulcer disease diagnosed from physical examination [1 = yes; 2 = no]
OLCSLI	88-96	Character	ICD-9 code for other liver conditions diagnosed between baseline (1982) examination and 1985 follow-up and verified by medical record [' ' = no other liver condition]
HEPAIND	97-99	Character	Hepatitis (viral and alcoholic), verified by medical records [YES; NO]
JAUNIND	100-102	Character	Jaundice, verified by medical records [YES; NO]

Variable	Column	Variable Type	Comment
CIRRIND	103-105	Character	Cirrhosis, verified by medical records [YES; NO]
ELIVIND	106-108	Character	Enlarged liver, verified by medical records [YES; NO]
HEPASTAT	109-115	Character	Verification status of reported hepatitis (viral and alcoholic) [REV-VER = reviewed and verified; REV-NV = reviewed and not verified; NOT REV = records not reviewed; '' = no reported hepatitis]
JAUNSTAT	116-122	Character	Verification status of reported jaundice [REV-VER = reviewed and verified; REV-NV = reviewed and not verified; NOT REV = records not reviewed; '' = no reported jaundice]
CIRRSTAT	123-129	Character	Verification status of reported cirrhosis [REV-VER = reviewed and verified; REV-NV = reviewed and not verified; NOT REV = records not reviewed; '' = no reported cirrhosis]
ELIVSTAT	130-136	Character	Verification status of reported enlarge liver [REV-VER = reviewed and verified; REV-NV = reviewed and not verified; NOT REV = records not reviewed; '' = no reported enlarged liver]
OLIVSTAT	137-143	Character	Verification status of reported other liver conditions [REV-VER = reviewed and verified; REV-NV = reviewed and not verified; NOT REV = records not reviewed; '' = no reported other liver condition]
OLIVIND	144-146	Character	Other liver conditions, verified by medical records [YES; NO]
PBSINDEX	147	Character	Skin bruises, patches or sensitivity [N = no; Y = yes; '' = missing]
UROCAT	148	Character	Uroporphyrins category [N = normal ( $\leq 46$ mg/24 hours); A = abnormal ( $> 46$ mg/24 hours); '' = missing]
COPRCAT	149-156	Character	Coproporphyrins category (based on 95 <sup>th</sup> percentile of data) [N: $\leq 210$ = normal ( $\leq 210$ mg/24 hours); A: $> 210$ = abnormal ( $> 210$ mg/24 hours); '' = missing]
PORPCAT	157	Character	Composite of uroporphyrin and coproporphyrin abnormalities [0 = both porphyrins normal (uroporphyrins $\leq 47$ mg/24 hours and coproporphyrins $\leq 210$ mg/24 hours); 1 = one of two porphyrins abnormal (uroporphyrins $> 47$ mg/24 hours or coproporphyrins $> 210$ mg/24 hours, but not both); 2 = both porphyrins abnormal (uroporphyrins $> 47$ mg/24 hours and coproporphyrins $> 210$ mg/24 hours); '' = missing]
YOB	158-161	Numeric	Year of birth
OCC	162-164	Character	Occupation (OFF = officer, EFL = enlisted flyer; EGC = enlisted groundcrew)
SGOTCAT	165	Character	Serum glutamyl oxaloacetic transaminase category (SGOT) (aspartate aminotransferase (AST)) [N = normal ( $\leq 47$ U/L); H = abnormal high ( $> 47$ U/L)]
SGPTCAT	166	Character	Serum glutamyl pyruvic transaminase category (SGPT) (alanine aminotransferase (ALT)) [N = normal ( $\leq 36$ U/L); H = abnormal high ( $> 36$ U/L)]
GGTCAT	167	Character	Gamma glutamyl transferase category (GGT) [N = normal ( $\leq 85$ U/L); H = abnormal high ( $> 85$ U/L)]
TBILCAT	168	Character	Total bilirubin category [N = normal ( $< 1.5$ mg/dl); H = abnormal high ( $\geq 1.5$ mg/dl)]
LDHCAT	169	Character	Lactic dehydrogenase category (LDH) [N = normal ( $\leq 190$ U/L); H = abnormal high ( $> 190$ U/L)]
CHOLCAT	170	Character	Cholesterol category [N = normal ( $\leq 260$ mg/dl); H = abnormal high ( $> 260$ mg/dl)]
ALKACAT	171	Character	Alkaline phosphatase category [N = normal ( $\leq 136$ U/L); H = abnormal high ( $> 136$ U/L)]
DBILCAT	172	Character	Direct bilirubin category [N = normal ( $\leq 0.4$ mg/dl); H = abnormal high ( $> 0.4$ mg/dl)]

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
BIRTHCAT	173-184	Character	Age group at baseline (AGEB) [1) AGEB <=40 (years) (born in or after 1942); 2) AGEB40-60 (>40 years to <60 years) (born between 1923 and 1941); 3) AGEB >=60 (years) (born in or before 1922)]
ALC_CAT	185-187	Character	Current alcohol use [<=1 = 0 - 1 drinks/day; 1 - 4 = >1 - 4 drinks/day; >4 (drinks/day); '' = missing]
ICCAT	188	Character	Exposure to industrial chemicals [Y = yes; N = no]
DCCAT	189	Character	Exposure to degreasing chemicals [Y = yes; N = no]
BUNACAT	190-193	Character	Blood urea nitrogen (BUN) [<=14 (mg/dl); >14 (mg/dl)]
FEVER	194	Character	Body temperature ≥ 100 degrees Fahrenheit at physical examination [N = no; Y = yes]
TRIGCAT	195	Character	Triglycerides category [N = normal (≤320 mg/dl); H = abnormal high (>320 mg/dl)]



The file GH\_85.DAT contains data from the 1985 follow-up (Cycle 2) examination that were used to perform the exposure analyses for the General Health chapter (Chapter 9 – 1985 follow-up report).

Variable	Column	Variable Type	Comment
SEQNO	1-5	Character	AFHS subject identification
EXPGRP	6-7	Character	Exposure group [O = Original Comparison; R1 = Replacement Comparison fully compliant at Cycle 1 (1982) and Cycle 2 (1985); R2 = Replacement Comparison first fully compliant at Cycle 2 (1985); RH = Ranch Hand]
CGI	8	Numeric	Exposure group [0 = Ranch Hand; 1 = Original Comparison; 2 = Replacement Comparison fully compliant at Cycle 1 (1982) and Cycle 2 (1985); 3 = Replacement Comparison first fully compliant at Cycle 2 (1985)]
AGE	9-12	Numeric	Age (years) at 1985 follow-up examination
RACE	13-14	Character	Race [BL = Black; NB = non-Black]
RACENUM	15	Numeric	Race [1 = Black; 2 = non-Black]
D38C24	16	Numeric	Self-perception of health [1 = excellent; 2 = good; 3 = fair; 4 = poor]
ILLDIST	17	Numeric	Appearance of illness or distress as assessed by a physician [1 = no; 2 = yes; . = missing]
AGELKS	18	Numeric	Relative age appearance as assessed by a physician [1 = same; 4 = older; 5 = younger; . = missing]
AFESR	19-21	Numeric	Erythrocyte sedimentation rate (mm/hr)
SSTYPE_A	22-26	Numeric	Type A personality scale (. = missing)
EGRP	27	Numeric	Exposure group [0 = Ranch Hand; 1 = Comparison]
YOB	28-31	Numeric	Year of birth
CYOB	32	Numeric	Year of birth category [1 = born in or after 1942 ; 2 = born before 1942]
COCC	33	Numeric	Occupation [1 = officer; 4 = enlisted flyer; 5 = enlisted groundcrew]
CAGELKS	34	Numeric	Relative age appearance as assessed by a physician [1 = younger; 2 = same; 3 = older; . = missing]
CAFESR2	35	Numeric	Erythrocyte sedimentation rate [1 = normal ( $\leq 20$ mm/hr); 2 = abnormal ( $> 20$ mm/hr)]
PBF	36-52	Numeric	1985 body fat (percent) [. = missing]
CPBF	53	Numeric	1985 body fat [1 = lean ( $< 10$ percent ); 2 = normal (10-25 percent); 3 = obese ( $> 25$ percent); . = missing]
CSSA	54	Numeric	Type A personality type from Jenkins Activity Survey [1 = low ( $< -5$ ); 2 = medium (-5 to 5); 3 = high ( $> 5$ ); . = missing]
EXPINDEX	55	Numeric	Exposure index (based on gallons of effective Herbicide Orange) (Ranch Hands only) [1 = low exposure ( $\leq 35,000$ for officers; $\leq 50,000$ for enlisted flyers; $\leq 20,000$ for enlisted groundcrew); 2 = medium exposure ( $> 35,000$ and $\leq 70,000$ for officers; $> 50,000$ and $\leq 85,000$ for enlisted flyers; $> 20,000$ and $\leq 27,000$ for enlisted groundcrew); 3 = high exposure ( $> 70,000$ for officers; $> 85,000$ for enlisted flyers; $> 27,000$ for enlisted groundcrew); . = Comparisons]

The file HEMAT\_85.DAT contains data from the 1985 follow-up (Cycle 2) examination that were used to perform the exposure analyses for the Hematology chapter (Chapter 16 – 1985 follow-up report).

Variable	Column	Variable Type	Comment
SEQNO	1-5	Character	AFHS participant identification
EXPGRP	6-7	Character	Exposure group [O = Original Comparison; R1 = Replacement Comparison fully compliant at Cycle 1 (1982) and Cycle 2 (1985); R2 = Replacement Comparison first fully compliant at Cycle 2 (1985); RH = Ranch Hand]
CGI	8	Numeric	Exposure group [0 = Ranch Hand; 1 = Original Comparison; 2 = Replacement Comparison fully compliant at Cycle 1 (1982) and Cycle 2 (1985); 3 = Replacement Comparison first fully compliant at Cycle 2 (1985)]
AGE	9-12	Numeric	Age at 1985 follow-up examination (years)
RACE	13-14	Character	Race [BL = Black; NB = non-Black]
RACENUM	15	Numeric	Race [1 = Black; 2 = non-Black]
RBC	16-19	Numeric	Red blood cell count (RBC) (million/mm <sup>3</sup> )
WBC	20-23	Numeric	White blood cell count (WBC) (thousand/mm <sup>3</sup> ) (. = missing)
HGB	24-27	Numeric	Hemoglobin (gm/dl)
HCT	28-31	Numeric	Hematocrit (percent)
MCV	32-36	Numeric	Mean corpuscular volume (cubic micra)
MCH	37-40	Numeric	Mean corpuscular hemoglobin (picograms)
MCHC	41-44	Numeric	Mean corpuscular hemoglobin concentration (g/dl)
PLT	45-47	Numeric	Platelet count (thousand/mm <sup>3</sup> ) [. = missing]
CCIGSDAY	48-49	Numeric	Current cigarette smoking (cigarettes/day)
PACKYR	50-55	Numeric	Lifetime cigarette smoking history (pack-years) (. = missing)
CCGARDAY	56-57	Numeric	Current cigar smoking (cigars/day)
CIGARYR	58-60	Numeric	Lifetime cigar smoking (cigar-years) (. = missing)
PIPEYR	61-63	Numeric	Lifetime pipe smoking (pipe-years) (. = missing)
CPIPEDAY	64-65	Numeric	Current pipe smoking (pipes full/day) (. = missing)
TEMPURE	66-70	Numeric	Temperature (degrees Fahrenheit) at time of physical examination
EGRP	71	Numeric	Exposure group [0 = Ranch Hand; 1 = Comparison]
YOB	72-75	Numeric	Year of birth
CYOB	76	Numeric	Age group [1 = born in or after 1942; 2 = born before 1942]
COCC	77	Numeric	Occupation [1 = officer; 4 = enlisted flyer; 5 = enlisted groundcrew]
CPACK	78	Numeric	Lifetime cigarette smoking history category [0 = 0 pack-years; 1 = > 0 – 10 pack-years; 2 = > 10 pack-years; . = missing]
CCURR	79	Numeric	Current cigarette smoking category [0 = 0 cigarettes/day; 1 = > 0 cigarettes/day]
CRBC	80	Numeric	Red blood cell (RBC) count [1 = abnormal low (<4.3 million/mm <sup>3</sup> ); 2 = normal (4.3 – 5.9 million/mm <sup>3</sup> ); 3 = abnormal high (>5.9 million/mm <sup>3</sup> )
CWBC	81	Numeric	White blood cell (WBC) count [1 = abnormal low (<4.5 thousand/mm <sup>3</sup> ); 2 = normal (4.5 – 11.0 thousand/mm <sup>3</sup> ); 3 = abnormal high (>11.0 thousand/mm <sup>3</sup> ); . = missing]
CHGB	82	Numeric	Hemoglobin [1 = abnormal low (<13.9 gm/dl); 2 = normal (13.9 – 16.3 gm/dl); 3 = abnormal high (>16.3 gm/dl)]
CHCT	83	Numeric	Hematocrit [1 = abnormal low (<39.0 percent); 2 = normal (39.0 – 55.0 percent); 3 = abnormal high (>55.0 percent)]
CMCV	84	Numeric	Mean corpuscular volume [1 = abnormal low (<80.0 cubic micra); 2 = normal (80.0 – 97.0 cubic micra); 3 = abnormal high (>97.0 cubic micra)]
CMCH	85	Numeric	Mean corpuscular hemoglobin [1 = abnormal low (<26.0 picograms); 2 = normal (26.0 – 34.0 picograms); 3 = abnormal high (> 34.0 picograms)]

Variable	Column	Variable Type	Comment
CMCHC	86	Numeric	Mean corpuscular hemoglobin conc. [1 = abnormal low (<31.0 percent); 2 = normal (31.0 – 37.0 percent)]
CPLT	87	Numeric	Platelet count [1 = abnormal low (<130 thousand/mm <sup>3</sup> ); 2 = normal (130 – 400 thousand/mm <sup>3</sup> ); 3 = abnormal high (>400 thousand/mm <sup>3</sup> ); . = missing]
ECIGSDAY	88-93	Numeric	"Equivalent" current cigarette smoking (cigarettes per day) (CCIGSDAY + 0.588*CCGARDAY + 0.233*CPIPEDAY) (. = missing)
EPAKYR	94-101	Numeric	"Equivalent" lifetime cigarette smoking history (pack-years) (PAKYR + 0.0294*CIGARYR + 0.0116*PIPEYR) (. = missing)
EXPINDEX	102	Numeric	Exposure index (based on gallons of effective Herbicide Orange) (Ranch Hands only) [1 = low exposure (≤35,000 for officers; ≤50,000 for enlisted flyers; ≤20,000 for enlisted groundcrew); 2 = medium exposure (>35,000 and ≤ 70,000 for officers; >50,000 and ≤85,000 for enlisted flyers; >20,000 and ≤27,000 for enlisted groundcrew); 3 = high exposure (>70,000 for officers; >85,000 for enlisted flyers; >27,000 for enlisted groundcrew); . = Comparisons]

The file IMMUN\_85.DAT contains data from the 1985 follow-up (Cycle 2) examination that were used to perform the exposure analyses for the Immunology chapter (Chapter 19 – 1985 follow-up report).

Variable	Column	Variable Type	Comment
SEQNO	1-5	Character	AFHS subject identification
ALC_INT	6-10	Numeric	Current alcohol use (drinks/day) [. = missing]
BCELLS	11-16	Numeric	B cells (cells/mm <sup>3</sup> ) [. = missing or not examined]
CA_CHEMO	17	Numeric	Recently received chemotherapy for cancer [0 = no; 1 = yes]
CA_XRAY	18	Numeric	Recently received x-ray treatment for cancer [0 = no; 1 = yes]
CCIGSDAY	19-23	Numeric	Current cigarette smoking (cigarettes/day)
DRINKYR	24-29	Numeric	Lifetime alcohol history (drink-years) [. = missing]
EXPGRP	30-31	Character	Exposure group [O = Original Comparison; R1 = Replacement Comparison fully compliant at Cycle 1 (1982) and Cycle 2 (1985); R2 = Replacement Comparison first fully compliant at Cycle 2 (1985); RH = Ranch Hand]
EXPINDEX	32	Numeric	Exposure index (based on gallons of effective Herbicide Orange) (Ranch Hands only) [1 = low exposure ( $\leq 35,000$ for officers; $\leq 50,000$ for enlisted flyers; $\leq 20,000$ for enlisted groundcrew); 2 = medium exposure ( $> 35,000$ and $\leq 70,000$ for officers; $> 50,000$ and $\leq 85,000$ for enlisted flyers; $> 20,000$ and $\leq 27,000$ for enlisted groundcrew); 3 = high exposure ( $> 70,000$ for officers; $> 85,000$ for enlisted flyers; $> 27,000$ for enlisted groundcrew); . = Comparisons]
AIISMED	33	Numeric	Taking anti-inflammatory or immunosuppressant medication [0 = no; 1 = yes]
HLADRCLS	34-39	Numeric	Histocompatibility antigen (HLA)-DR cells (cells/mm <sup>3</sup> ) [. = missing or not examined]
HLPTCELL	40-45	Numeric	Helper T cells (cells/mm <sup>3</sup> ) [. = missing or not examined]
ML_NETC	46-51	Numeric	Mixed lymphocyte culture stimulation - net cell function response (counts/minute) [. = missing or not examined]
MONOCYTS	52-56	Numeric	Monocytes (cells/mm <sup>3</sup> ) [. = missing or not examined]
PACKYR	57-62	Numeric	Lifetime cigarette smoking history (pack-years) [. = missing]
PH_CPMC	63-67	Numeric	Phytohemagglutinin, unstimulated cell function response (counts/minute) [. = missing or not examined]
PH_NETC	68-73	Numeric	Phytohemagglutinin, net cell function response (counts/minute) [. = missing or not examined]
PO_NETC	74-79	Numeric	Pokeweed mitogen, net cell function response (counts/minute) [. = missing or not examined]
RACE	80-81	Character	Race [BL = black; NB = non-black]
READERID	82	Numeric	Technician who interpreted 48 hour results [1 = Technician 1; 2 = Technician 2; 3 = Technician 3; . = no skin test, no interpretation of skin test]
SUPTCELL	83-88	Numeric	Suppressor T cells (T <sub>8</sub> ) (cells/mm <sup>3</sup> ) [. = missing or not examined]
TCELLS	89-94	Numeric	Total T cells (T <sub>11</sub> ) (cells/mm <sup>3</sup> ) [. = missing or not examined]
YR	95-98	Numeric	Year of birth
C48ETOT	99-102	Numeric	Skin test, <u>Candida albicans</u> antigen: area of erythema after 48 hours (mm <sup>2</sup> ) [. = missing or not examined]
C48ITOT	103-106	Numeric	Skin test, <u>Candida albicans</u> antigen: area of induration after 48 hours (mm <sup>2</sup> ) [. = missing or not examined]
M48ETOT	107-110	Numeric	Skin test, mumps antigen: area of erythema after 48 hours (mm <sup>2</sup> ) [. = missing or not examined]
M48ITOT	111-114	Numeric	Skin test, mumps antigen: area of induration after 48 hours (mm <sup>2</sup> ) [. = missing or not examined]

Variable	Column	Variable Type	Comment
S48ETOT	115-119	Numeric	Skin test, staph-phage-lysate antigen: area of erythema after 48 hours (mm <sup>2</sup> ) [. = missing or not examined]
S48ITOT	120-124	Numeric	Skin test, staph-phage-lysate antigen: area of induration after 48 hours (mm <sup>2</sup> ) [. = missing or not examined]
T48ETOT	125-129	Numeric	Skin test, Trichophyton antigen: area of erythema after 48 hours (mm <sup>2</sup> ) [. = missing or not examined]
T48ITOT	130-133	Numeric	Skin test, Trichophyton antigen: area of induration after 48 hours (mm <sup>2</sup> ) [. = missing or not examined]
DATE	134-143	Character	Laboratory test date
SKT	144	Numeric	Day within batch covariate (used in adjusted analysis of cell surface marker studies and functional stimulation tests - 0 and 1 represent different days within a batch)
AGE	145	Numeric	Age category [1 = born in or before 1922; 2 = born 1923 to 1941; 3 = born in or after 1942]
CALCGP	146	Numeric	Current alcohol use (drinks/day) [1 = 0; 2 = >0 - 2; 3 = >2 - 4; 4 = >4; . = missing]
DRKYRGP	147	Numeric	Lifetime alcohol history (drink-years) [1 = 0; 2 = >0 - 5; 3 = >5 - 30; 4 = >30 - 100; 5 = >100; . = missing]
CURCIGGP	148	Numeric	Current cigarette smoking (cigarettes/day); [1 = 0; 2 = >0 - 20; 3 = >20 - 40; 4 = >40]
PCKYRGP	149	Numeric	Lifetime cigarette smoking history (pack-years) [1 = 0; 2 = >0 - 20; 3 = >20 - 40; 4 = >40; . = missing]
OCC	150-152	Character	Occupation [OFF = officer; EFL = enlisted flyer; EGC = enlisted groundcrew]
CGI	153	Numeric	Exposure group [0 = Ranch Hand; 1 = Original Comparison; 2 = Replacement Comparison fully compliant at Cycle 1 (1982) and Cycle 2 (1985); 3 = Replacement Comparison first fully compliant at Cycle 2 (1985)]

The file LONG\_85.DAT contains data from the 1982 baseline (Cycle 1) and 1985 follow-up (Cycle 2) examination on 2,110 participants that were used to perform the longitudinal analyses for the clinical chapters (Chapters 9 through 18 – 1985 follow-up report).

Variable	Column	Variable Type	Comment
SEQNO	1-5	Character	AFHS subject identification
MCV82	6-8	Numeric	Mean corpuscular volume (cubic micra) – 1982
MCH82	9-12	Numeric	Mean corpuscular hemoglobin (picograms) – 1982
PLT82	13-15	Numeric	Platelet count (thousand/mm <sup>3</sup> ) – 1982
BUN82	16-20	Numeric	Blood urea nitrogen (BUN) (mg/dl) [. = missing] – 1982
SGOT82	21-25	Numeric	Serum glutamyl oxaloacetic transaminase (SGOT) (U/L) – 1982
SGPT82	26-28	Numeric	Serum glutamyl pyruvic transaminase (SGPT) (U/L) – 1982
GGTP82	29-34	Numeric	Gamma glutamyl transferase (GGTP) (U/L) – 1982 [. = missing]
TEST82	35-38	Numeric	Serum testosterone (ng/dl) – 1982
T382	39-40	Numeric	Triiodothyronine (T <sub>3</sub> ) uptake (%) [. = missing] – 1982
TSH82	41-44	Numeric	Thyroid stimulating hormone (TSH) (μIU/ml) [. = missing] – 1982
BABIN82	45	Character	Babinski reflex [N = normal; Y = abnormal; ‘ = missing] – 1982
MCV85	46-50	Numeric	Mean corpuscular volume (cubic micra) – 1985
MCH85	51-54	Numeric	Mean corpuscular hemoglobin (picograms) – 1985
PLT85	55-57	Numeric	Platelet count (thousand/mm <sup>3</sup> ) [. = missing] – 1985
BUN85	58-59	Numeric	Blood urea nitrogen (BUN) (mg/dl) – 1985
SGOT85	60-62	Numeric	Serum glutamyl oxaloacetic transaminase (SGOT) (U/l) – 1985
SGPT85	63-65	Numeric	Serum glutamyl pyruvic transaminase (SGPT) (U/l) – 1985
GGTP85	66-69	Numeric	Gamma glutamyl transferase (GGT) (U/l) – 1985
TEST85	70-73	Numeric	Serum testosterone (ng/dl) [. = missing] – 1985
T385	74-77	Numeric	Triiodothyronine (T <sub>3</sub> ) uptake (%) [. = missing] – 1985
TSH85	78-81	Numeric	Thyroid stimulating hormone (TSH) (μIU/ml) [. = missing] – 1985
EXPGRP	82-83	Character	Exposure group [O = Original Comparison; R1 = Replacement Comparison first fully compliant at Cycle 1 (1982) and Cycle 2 (1985); RH = Ranch Hand]
EDGP	84-85	Character	Education [HS = high school or less; CL = college; ‘ = missing]
SPHGP82	86	Character	Self-perception of health [N = normal; A = abnormal; ‘ = missing] – 1982
SPHGP85	87	Character	Self-perception of health [N = normal; A = abnormal] – 1985
SEDGP82	88	Character	Erythrocyte sedimentation rate [N = normal (≤12 mm/hr); A = abnormal (>12 mm/hr)] – 1982
SEDGP85	89	Character	Erythrocyte sedimentation rate [N = normal (≤20 mm/hr); A = abnormal (>20 mm/hr)] – 1985
BABIN85	90	Character	Babinski reflex [N = normal; A = abnormal; ‘ = missing] – 1985
DRMIND82	91	Character	Dermatology index (composite of comedones, acneiform lesions, acneiform scars, and inclusion cysts) [N = none of these abnormalities present; Y = one or more of these abnormalities present] – 1982
DRMIND85	92	Character	Dermatology index (composite of comedones, acneiform lesions, acneiform scars, and inclusion cysts) [N = none of these abnormalities present; Y = one or more of these abnormalities present; ‘ = missing - did not participate in dermatology exam] – 1985
EKG82	93	Character	Overall electrocardiograph assessment [N = normal; A = abnormal] – 1982
EKG85	94	Character	Overall electrocardiograph assessment [N = normal; A = abnormal] – 1985
MANPUL82	95	Character	Pulses by manual palpation [N = all pulses (radial, femoral, popliteal, dorsalis pedis, posterior tibial, and carotid) normal; A = one or more pulses were diminished or absent on either the left or right side; ‘ = data missing] – 1982

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
MANPUL85	96	Character	Pulses by manual palpation [N = all pulses (radial, femoral, popliteal, dorsalis pedis, posterior tibial, and carotid) normal; A = one or more pulses were diminished or absent on either the left or right side; '' = data missing] – 1985
ROMB82	97	Character	Romberg sign [N = normal; A = abnormal; ' ' = missing] – 1982
ROMB85	98	Character	Romberg sign [N = normal; A = abnormal; ' ' = missing] – 1985
DENIAL82	99	Character	Minnesota Multiphasic Personality Inventory (MMPI) denial classification [N= normal; A = high; ' ' = missing or refused exam] – 1982
DENIAL85	100	Character	MMPI denial classification [N= normal; A = abnormal] – 1985
DEPR82	101	Character	MMPI depression classification [N = normal; A = abnormal; ' ' = missing or refused exam] – 1982
DEPR85	102	Character	MMPI depression classification [N = normal; A = abnormal] – 1985

The file NEOP\_85.DAT contains data from the 1985 follow-up (Cycle 2) examination that were used to perform the exposure analyses for the Malignancy (Neoplasia) chapter (Chapter 10 – 1985 follow-up report). This database does not include analysis for Table 10-23, 10-24, and 10-25 from this report, which are concerned with participants who were fully compliant at the baseline (1982) study. The database NEOP2\_85.DAT contains data supporting Tables 10-23, 10-24, and 10-25 in the 1985 follow-up report.

Variable	Column	Variable Type	Comment
SEQNO	1-5	Character	AFHS subject identification
TOTBASAL	6	Numeric	Basal cell carcinoma: number of verified neoplasms, lifetime history
XTOTBASL	7	Numeric	Basal cell carcinoma: number of verified and suspected neoplasms, lifetime history
IND_BAS	8	Numeric	Basal cell carcinoma: lifetime history, verified by medical records [0 = no; 1 = yes]
SIND_BAS	9	Numeric	Basal cell carcinoma: lifetime history, verified and suspected [0 = no; 1 = yes]
TOTSQUAM	10	Numeric	Squamous cell carcinoma: number of verified neoplasms, lifetime history
XTOTSQAM	11	Numeric	Squamous cell carcinoma: number of verified and suspected neoplasms, lifetime history
IND_SQM	12	Numeric	Squamous cell carcinoma: lifetime history, verified by medical records [0 = no; 1 = yes]
SIND_SQM	13	Numeric	Squamous cell carcinoma: lifetime history, verified and suspected [0 = no; 1 = yes]
TOTMEL	14	Numeric	Melanoma: number of verified neoplasms, lifetime history
XTOTMEL	15	Numeric	Melanoma: number of verified and suspected neoplasms, lifetime history
IND_MEL	16	Numeric	Melanoma: lifetime history, verified by medical records [0 = no; 1 = yes]
SIND_MEL	17	Numeric	Melanoma: lifetime history, verified and suspected [0 = no; 1 = yes]
TOTALLSK	18	Numeric	Any malignant skin neoplasm: number of verified neoplasms, lifetime history
XTOTALLS	19	Numeric	Any malignant skin neoplasm: number of verified and suspected neoplasms, lifetime history
IND_ASK	20	Numeric	Any malignant skin neoplasm: lifetime history, verified by medical records [0 = no; 1 = yes]
SIND_ASK	21	Numeric	Any malignant skin neoplasm: lifetime history, verified and suspected [0 = no; 1 = yes]
TOTSUNX	22	Numeric	Any sun-exposure related malignant neoplasm: number of verified neoplasms, lifetime history
XTOTSUNX	23	Numeric	Any sun-exposure related malignant neoplasm: number of verified and suspected neoplasms, lifetime history
IND_SUN	24	Numeric	Any sun-exposure related malignant neoplasm: lifetime history, verified by medical records [0 = no; 1 = yes]
SIND_SUN	25	Numeric	Any sun-exposure related malignant neoplasm: lifetime history, verified and suspected [0 = no; 1 = yes]
TOTSYST	26	Numeric	Any malignant systemic neoplasm: number of verified neoplasms, lifetime history
XTOTSYST	27	Numeric	Any malignant systemic neoplasm: number of verified and suspected neoplasms, lifetime history
IND_SYS	28	Numeric	Any malignant systemic neoplasm: lifetime history, verified by medical records [0 = no; 1 = yes]
SIND_SYS	29	Numeric	Any malignant systemic neoplasm: lifetime history, verified and suspected [0 = no; 1 = yes]
IND_BSK	30	Numeric	Any benign skin neoplasm: lifetime history, verified by medical records [0 = no; 1 = yes]
SIND_BSK	31	Numeric	Any benign skin neoplasm: lifetime history, verified and suspected [0 = no; 1 = yes]



<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
IND_BSYS	32	Numeric	Any benign systemic neoplasm: lifetime history, verified by medical records [0 = no; 1 = yes]
SIND_BSS	33	Numeric	Any benign systemic neoplasm: lifetime history, verified and suspected [0 = no; 1 = yes]
IND_NUN	34	Numeric	Any systemic neoplasm of uncertain behavior or unspecified nature: lifetime history, verified by medical records [0 = no; 1 = yes]
SIND_NUN	35	Numeric	Any systemic neoplasm of uncertain behavior or unspecified nature: lifetime history, verified and suspected [0 = no; 1 = yes]
IND_SKNN	36	Numeric	Any skin neoplasm of uncertain behavior or unspecified nature: lifetime history, verified by medical records [0 = no; 1 = yes]
SIND_SKN	37	Numeric	Any skin neoplasm of uncertain behavior or unspecified nature: lifetime history, verified and suspected [0 = no; 1 = yes]
IN_ALLSK	38	Numeric	Any skin neoplasm: lifetime history, verified by medical records [0 = no; 1 = yes]
SIN_ALSK	39	Numeric	Any skin neoplasm: lifetime history, verified and suspected [0 = no; 1 = yes]
IN_ALSYS	40	Numeric	Any systemic neoplasm: lifetime history, verified by medical records [0 = no; 1 = yes]
SIN_ALSY	41	Numeric	Any systemic neoplasm: lifetime history, verified and suspected [0 = no; 1 = yes]
IND_ALL	42	Numeric	Any neoplasm, skin or systemic (malignant, benign, uncertain behavior or unspecified nature): lifetime history, verified by medical records [0 = no; 1 = yes]
SIND_ALL	43	Numeric	Any neoplasm, skin or systemic (malignant, benign, uncertain behavior or unspecified nature): lifetime history, verified and suspected [0 = no; 1 = yes]
DRINKYR	44-54	Numeric	Lifetime alcohol history (drink-years) [. = missing]
EXPGRP	55-56	Character	Exposure group [O = Original Comparison; R1 = Replacement Comparison fully compliant at Cycle 1 (1982) and Cycle 2 (1985); R2 = Replacement Comparison first fully compliant at Cycle 2 (1985); RH = Ranch Hand]
EYECOLR	57	Numeric	Eye color [1 = brown; 2 = hazel; 3 = green; 4 = grey; 5 = blue; . = missing]
PACKYR	58-75	Numeric	Lifetime cigarette smoking history (pack-years) [. = missing]
RACE	76-77	Character	Race [BL = Black; NB = non-Black]
RACENUM	78	Numeric	Race [1 = Black; 2 = non-Black]
SKREACT1	79	Character	Reaction of skin to first summer sun exposure for 30 minutes [1 = always burns, never tans; 2 = usually burns, tans with difficulty; 3 = sometimes burns mildly, tans above average; 4 = rarely burns, tans with ease; '' = missing]
SKREACT2	80	Character	Reaction of skin to sun exposure after at least 2 hours, after several sun exposures [1 = painfully burns; 2 = burns; 3 = some redness only; 4 = no reaction; '' = missing]
SKREACT3	81	Character	Reaction of skin to sun after repeated exposure [1 = only freckled with no tan at all; 2 = only mildly tanned due to a tendency to peel; 3 = tans moderately; 4 = tans deep brown; '' = missing]
GPRACE	82	Character	Ethnicity [A = English, Welsh, Scottish, Irish; B = Scandinavian, German, Polish, Russian, other Slavic, Jewish, French; C = Spanish, Italian, Greek; D = Mexican, American Indian, Asian; E = African = ; '' = missing]

Variable	Column	Variable Type	Comment
EXPINDEX	83	Numeric	Exposure index (based on gallons of effective Herbicide Orange) (Ranch Hands only) [1 = low exposure ( $\leq 35,000$ for officers; $\leq 50,000$ for enlisted flyers; $\leq 20,000$ for enlisted groundcrew); 2 = medium exposure ( $> 35,000$ and $\leq 70,000$ for officers; $> 50,000$ and $\leq 85,000$ for enlisted flyers; $> 20,000$ and $\leq 27,000$ for enlisted groundcrew); 3 = high exposure ( $> 70,000$ for officers; $> 85,000$ for enlisted flyers; $> 27,000$ for enlisted groundcrew); . = Comparisons]
ANTHRA	84	Numeric	Exposed to anthracene [1 = no; 2 = yes; . = missing]
ARSENIC	85	Numeric	Exposed to arsenic [1 = no; 2 = yes; . = missing]
BENZENE	86	Numeric	Exposed to benzene [1 = no; 2 = yes; . = missing]
BENZI	87	Numeric	Exposed to benzidine [1 = no; 2 = yes; . = missing]
CHROMATE	88	Numeric	Exposed to chromates [1 = no; 2 = yes; . = missing]
COAL_TAR	89	Numeric	Exposed to coal tar [1 = no; 2 = yes; . = missing]
CREOSOTE	90	Numeric	Exposed to creosote [1 = no; 2 = yes]
DIPHENYL	91	Numeric	Exposed to aminodiphenyl [1 = no; 2 = yes; . = missing]
ETHER	92	Numeric	Exposed to chloromethyl ether [1 = no; 2 = yes; . = missing]
MUST_GAS	93	Numeric	Exposed to mustard gas [1 = no; 2 = yes; . = missing]
NAPH	94	Numeric	Exposed to naphthylamine [1 = no; 2 = yes; . = missing]
OILS	95	Numeric	Exposed to cutting oils [1 = no; 2 = yes; . = missing]
TRICHL	96	Numeric	Exposed to trichloroethylene [1 = no; 2 = yes; . = missing]
UV_LIGHT	97	Numeric	Exposed to ultraviolet light [1 = no; 2 = yes; . = missing]
V_CHLOR	98	Numeric	Exposed to vinyl chloride [1 = no; 2 = yes; . = missing]
YOB	99-102	Numeric	Year of birth
SKIN	103-110	Character	Skin color [DARK; MED = medium; PALE; DK_PEACH = dark peach; PL_PEACH = pale peach; ' ' = missing]
HAIR	111-116	Character	Hair color [BLACK; DK_BRN = dark brown; LT_BRN = light brown; BLOND; RED; ' ' = missing]
CARCINGN	117	Numeric	Composite carcinogen exposure [1 = no; 2 = yes; . = missing]
BASALTOT	118	Numeric	Basal cell carcinoma: number of neoplasms, verified by medical records diagnosed in baseline - follow-up interval
SKIN_BC	119	Numeric	Basal cell carcinoma: diagnosed in baseline - follow-up interval, verified by medical records [0 = no; 1 = yes]
SQUAMTOT	120	Numeric	Squamous cell carcinoma: number of neoplasms, verified by medical records diagnosed in baseline - follow-up interval
SKIN_SQ	121	Numeric	Squamous cell carcinoma: diagnosed in baseline - follow-up interval, verified by medical records [0 = no; 1 = yes]
MELANTOT	122	Numeric	Melanoma: number of neoplasms, verified by medical records diagnosed in baseline - follow-up interval
SKIN_ML	123	Numeric	Melanoma: diagnosed in baseline - follow-up interval, verified by medical records [0 = no; 1 = yes]
ALLSKTOT	124	Numeric	Any malignant skin neoplasm: number of neoplasms, verified by medical records diagnosed in baseline - follow-up interval
SKIN_ALL	125	Numeric	Any malignant skin neoplasm: diagnosed in baseline - follow-up interval, verified by medical records [0 = no; 1 = yes]
SYSTCTOT	126	Numeric	Any malignant systemic neoplasm: number of neoplasms, verified by medical records diagnosed in baseline - follow-up interval
SYST_CA	127	Numeric	Any malignant systemic neoplasm: diagnosed in baseline - follow-up interval, verified by medical records [0 = no; 1 = yes]
SUNX_CA	128	Numeric	Any sun-exposure related malignancy: diagnosed in baseline - follow-up interval, verified by medical records [0 = no; 1 = yes]
SUNXCTOT	129	Numeric	Any sun-exposure related malignant neoplasm: number of neoplasms, verified by medical records diagnosed in baseline - follow-up interval

Variable	Column	Variable Type	Comment
BASALT	130	Numeric	Basal cell carcinoma: number of verified and suspected neoplasms, baseline - follow-up interval
SK_BC	131	Numeric	Basal cell carcinoma: diagnosed in baseline - follow-up interval, verified and suspected [0 = no; 1 = yes]
SQUAMT	132	Numeric	Squamous cell carcinoma: number of verified and suspected neoplasms, baseline - follow-up interval
SK_SQ	133	Numeric	Squamous cell carcinoma: diagnosed in baseline - follow-up interval, verified and suspected [0 = no; 1 = yes]
MELANT	134	Numeric	Melanoma: number of verified and suspected neoplasms, baseline - follow-up interval
SK_ML	135	Numeric	Melanoma: diagnosed in baseline - follow-up interval, verified and suspected [0 = no; 1 = yes]
ALLSKINT	136	Numeric	Any malignant skin neoplasm: number of verified and suspected neoplasms, baseline - follow-up interval
SK_ALL	137	Numeric	Any malignant skin neoplasm: diagnosed in baseline - follow-up interval, verified and suspected [0 = no; 1 = yes]
SYSTTT	138	Numeric	Any malignant systemic neoplasm: number of neoplasms, verified and suspected, baseline - follow-up interval
SYSTT_CA	139	Numeric	Any malignant systemic neoplasm: diagnosed in baseline - follow-up interval, verified and suspected [0 = no; 1 = yes]
SKSUNX	140	Numeric	Any sun-exposure related malignancy: diagnosed in baseline - follow-up interval, verified and suspected [0 = no; 1 = yes]
SUNTOT	141	Numeric	Any sun-exposure related malignant neoplasm: number of verified and suspected neoplasms, baseline - follow-up interval
AGE	142-143	Numeric	Age at 1985 follow-up examination
AGEGP	144	Numeric	Age [1 = born in or before 1922; 2 = born between 1923 and 1941; 3 = born in or after 1942]
OCC	145-147	Character	Occupation [OFF = officer; EFL = enlisted flyer; EGC = enlisted groundcrew]
PCKYRGP	148	Numeric	Lifetime cigarette smoking history (pack-years) [1 = 0; 2 = >0 - 20; 3 = >20 - 40; 4 = >40; . = missing]
DRKYRGP	149	Numeric	Lifetime alcohol history (drink-years) [1 = 0; 2 = >0 - 5; 3 = >5 - 30; 4 = >30 - 100; 5 = >100; . = missing]
LATGP	150	Numeric	Average lifetime residential latitude [1 = ≥37 degrees; 2 = <37 degrees]; . = missing]
ASBESTGP	151	Numeric	Exposed to asbestos [1 = no; 2 = yes]
IONRAD	152	Numeric	Exposed to ionizing radiation (non-medical x-rays) [1 = no; 2 = yes]
INCHEM	153	Numeric	Exposed to industrial chemicals [1 = no; 2 = yes]
HERB	154	Numeric	Exposed to herbicides [1 = no; 2 = yes]
INSECT	155	Numeric	Exposed to insecticides [1 = no; 2 = yes]
DGCHEM	156	Numeric	Exposed to degreasing chemicals [1 = no; 2 = yes]
SUNRPTGP	157	Character	Composite sun reaction index [1 = burns painfully or freckles with no tan; 2 = burns or tans mildly; 3 = all other reactions; ' ' = missing]
S_HEADNK	158	Numeric	Site of malignant skin neoplasm, diagnosed in baseline - follow-up interval: face, head or neck [0 = no; 1 = yes]
S_TRUNK	159	Numeric	Site of malignant skin neoplasm, diagnosed in baseline - follow-up interval: trunk [0 = no; 1 = yes]
S_UPPRLM	160	Numeric	Site of malignant skin neoplasm, diagnosed in baseline - follow-up interval: upper extremities [0 = no; 1 = yes]
S_LOWRLM	161	Numeric	Site of malignant skin neoplasm, diagnosed in baseline - follow-up interval: lower extremities [0 = no; 1 = yes]
S_OTHER	162	Numeric	Site of malignant skin neoplasm, diagnosed in baseline - follow-up interval: other site or sites not otherwise specified [0 = no; 1 = yes]

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
S_ALL	163	Numeric	Site of malignant skin neoplasm, diagnosed in baseline - follow-up interval: composite of all sites [0 = no; 1 = yes]
NONMEL	164	Numeric	Location of non-melanoma malignant skin neoplasm, diagnosed in baseline - follow-up interval, verified by medical record [1 = face, head or neck; 2 = other site; 3 = no non-melanoma neoplasm]
SUN	165	Numeric	Location of sun-exposure related malignant skin neoplasm, diagnosed in baseline - follow-up interval, verified by medical record [1 = face, head or neck; 2 = other site; 3 = no sun-exposure related neoplasm]
SNONMEL	166	Numeric	Location of non-melanoma malignant skin neoplasm, diagnosed in baseline - follow-up interval, verified and suspected [1 = face, head or neck; 2 = other site; 3 = no non-melanoma neoplasm]
S_SUN	167	Numeric	Location of sun-exposure related malignant skin neoplasm, diagnosed in baseline - follow-up interval, verified and suspected [1 = face, head or neck; 2 = other site; 3 = no sun-exposure related neoplasm]
BENSKIN	168	Numeric	Any benign skin neoplasm: diagnosed in baseline - follow-up interval, verified by medical records [0 = no; 1 = yes]
BENSYS	169	Numeric	Any benign systemic neoplasm: diagnosed in baseline - follow-up interval, verified by medical records [0 = no; 1 = yes]
SBENSKIN	170	Numeric	Any benign skin neoplasm: diagnosed in baseline - follow-up interval, verified and suspected [0 = no; 1 = yes]
SBENSYS	171	Numeric	Any benign systemic neoplasm: diagnosed in baseline - follow-up interval, verified and suspected [0 = no; 1 = yes]
VRSYSINT	172-204	Character	Type of verified malignant systemic neoplasm in the Baseline (1982) - 1985 follow-up interval ['' = no verified malignant systemic neoplasm in the Baseline (1982) - 1985 follow-up interval]
SUSPSYS	205-242	Character	Type of suspected malignant systemic neoplasm in the Baseline (1982) - 1985 follow-up interval ['' = no suspected malignant systemic neoplasm in the Baseline (1982) - 1985 follow-up interval]
VRSYSLIF	243-275	Character	Type of verified malignant systemic neoplasm - lifetime ['' = no verified malignant systemic neoplasm - lifetime]
STS	276-303	Character	Verified soft tissue sarcoma ['' = no verified soft tissue sarcoma]
HODGKINS	304-329	Character	Verified Hodgkin's disease ['' = no verified Hodgkin's disease]
SLKHDNHL	330-393	Character	Suspected leukemia, Hodgkin's disease, or non-Hodgkin's lymphoma ['' = no suspected leukemia, Hodgkin's disease, or non-Hodgkin's lymphoma]
SUSPNUN	394	Numeric	Any systemic neoplasm of uncertain behavior or unspecified nature: diagnosed in baseline - follow-up interval, verified and suspected [0 = no; 1 = yes]
NUNSKIN	395	Numeric	Any skin neoplasm of uncertain behavior or unspecified nature: diagnosed in baseline - follow-up interval, verified by medical records [0 = no; 1 = yes]
SNUNSKIN	396	Numeric	Any skin neoplasm of uncertain behavior or unspecified nature: diagnosed in baseline - follow-up interval, verified and suspected [0 = no; 1 = yes]
SKIN_ANY	397	Numeric	Any skin neoplasm (malignant, benign, uncertain behavior, unspecified nature): diagnosed in baseline - follow-up interval, verified by medical records [0 = no; 1 = yes]
SK_ANY	398	Numeric	Any skin neoplasm (malignant, benign, uncertain behavior, unspecified nature): diagnosed in baseline - follow-up interval, verified and suspected [0 = no; 1 = yes]
SYS_ANY	399	Numeric	Any systemic neoplasm (malignant, benign, uncertain behavior, unspecified nature): diagnosed in baseline - follow-up interval, verified by medical record [0 = no; 1 = yes]

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
SSYS_ANY	400	Numeric	Any systemic neoplasm (malignant, benign, uncertain behavior, unspecified nature): diagnosed in baseline - follow-up interval, verified and suspected [0 = no; 1 = yes]
ALLNEOP	401	Numeric	Any neoplasm, skin or systemic (malignant, benign, uncertain behavior or unspecified nature): diagnosed in baseline - follow-up interval, verified by medical records [0 = no; 1 = yes]
S_ALLNEO	402	Numeric	Any neoplasm, skin or systemic (malignant, benign, uncertain behavior or unspecified nature): diagnosed in baseline - follow-up interval, verified and suspected [0 = no; 1 = yes]
NUNSYS	403	Numeric	Any systemic neoplasm of uncertain behavior or unspecified nature: diagnosed in baseline - follow-up interval, verified by medical records [0 = no; 1 = yes]

The file NEOP2\_85.DAT contains data from the 1985 follow-up (Cycle 2) examination that were used to perform the analyses supporting Tables 10-23, 10-24, and 10-25 in the Malignancy (Neoplasia) chapter (Chapter 10 – 1985 follow-up report). This database includes information on the 2,269 participants who were fully compliant at the baseline (1982) study.

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
SEQNO	1-5	Character	AFHS subject identification
DEAD	6	Numeric	Participant deceased at the time of the 1985 follow-up report [0 = no; 1 = yes]
BASE_MLG	7	Numeric	Participant had malignant neoplasm reported at baseline (1982) examination [0 = no; 1 = yes]
FOLLOWUP	8	Numeric	Was baseline examination participant fully compliant for the 1985 examination? [0 = no; 1 = yes]
CA	9	Numeric	Was primary cause of death due to malignant neoplasm (for fully compliant baseline (1982) participants who did not participate at the 1985 follow-up examination because of death)? [0 = no; 1 = yes; . = participated at the 1985 follow-up examination or still living at the time of the 1985 follow-up examination but chose not to participate in the 1985 follow-up examination]
FU_MLG	10	Numeric	Malignant neoplasm at 1985 follow-up [0 = no; 1 = yes; . = veteran who was a participant for the baseline examination but did not participate in the 1985 follow-up examination]
EXPGRP	11-12	Character	Exposure group [C = Comparison; RH = Ranch Hand]

The file NEURO\_85.DAT contains data from the 1985 follow-up (Cycle 2) examination that were used to perform the exposure analyses for the Neurology chapter (Chapter 11 – 1985 follow-up report).

Variable	Column	Variable Type	Comment
SEQNO	1-5	Character	AFHS subject identification
ACHILL	6	Character	Achilles reflex [N = normal; A = abnormal; ' ' = missing]
ACHILLI	7	Numeric	Achilles reflex [1 = normal; 2 = abnormal; 9 = missing]
AGEBASE	8-9	Numeric	Age (years) in 1982
AGEBGP	10-13	Character	Age group at baseline (1982) examination [LE40 = ≤40 years of age (born in or after 1942); 4060 = >40 years of age and < 60 years of age (born after 1922 and before 1942); GE60 = ≥60 years of age (born in or before 1922)]
AGEBI	14	Numeric	Age group at baseline (1982) examination [1 = ≤40 years of age (born in or after 1942); 2 = >40 years of age and < 60 years of age (born after 1922 and before 1942); 3 = ≥60 years of age (born in or before 1922)]
BABINSK	15	Character	Babinski reflex [N = normal; A = abnormal; ' ' = missing]
BABINSKI	16	Numeric	Babinski reflex [1 = normal; 2 = abnormal; 9 = missing]
BALANCE	17	Character	Balance [N = normal; A = abnormal; ' ' = missing]
BALANCEI	18	Numeric	Balance [1 = normal; 2 = abnormal; 9 = missing]
BICEPS	19	Character	Biceps reflex [N = normal; A = abnormal]
BICEPSI	20	Numeric	Biceps reflex [1 = normal; 2 = abnormal]
CDRINKER	21	Numeric	Any drink in the last 12 months? [1 = yes; 2 = no; . = missing]
CDRINKGP	22	Character	Any drink in the last 12 months? [Y = yes; N = no; ' ' = missing]
CGI	23	Numeric	Exposure group [0 = Ranch Hand; 1 = Original Comparison; 2 = Replacement Comparison fully compliant at Cycle 1 (1982) and Cycle 2 (1985); 3 = Replacement Comparison first fully compliant at Cycle 2 (1985)]
CNF	24	Character	Cranial nerve function index [N = normal; A = abnormal; ' ' = missing]
CNFI	25	Numeric	Cranial nerve function index [1 = normal; 2 = abnormal; 9 = missing]
COORD	26	Character	Coordination [N = normal; A = abnormal; ' ' = missing]
COORDI	27	Numeric	Coordination [1 = normal; 2 = abnormal; 9 = missing]
CORNRX	28	Character	Corneal reflex [N = normal; ' ' = missing]
CORNRXI	29	Numeric	Corneal reflex [1 = normal; 9 = missing]
DB_2HR	30	Character	Diabetic class [N = normal (2-hour postprandial glucose <140 mg/dl); I = impaired (2-hour postprandial glucose ≥140-200 mg/dl); A = abnormal (past history or 2-hour postprandial glucose ≥ 200 mg/dl); ' ' = missing - unable to determine]
DB_2HRI	31	Numeric	Diabetic class [1 = normal (2-hour postprandial glucose <140 mg/dl); 2 = impaired (2-hour postprandial glucose ≥140-200 mg/dl); 3 = diabetic (past history or 2-hour postprandial glucose ≥ 200 mg/dl); 9 = missing - unable to determine]
DEGRS	32-34	Character	Degreasing chemicals exposure [NO = no; YES = yes]
DEGRSI	35	Numeric	Degreasing chemicals exposure [1 = no; 2 = yes]
DRINKYR	36-43	Numeric	Lifetime alcohol history (drink-years) [. = missing]
EXPINDEX	44	Numeric	Exposure index (based on gallons of effective Herbicide Orange) (Ranch Hands only) [1 = low exposure (≤35,000 for officers; ≤50,000 for enlisted flyers; ≤20,000 for enlisted groundcrew); 2 = medium exposure (>35,000 and ≤ 70,000 for officers; >50,000 and ≤85,000 for enlisted flyers; >20,000 and ≤27,000 for enlisted groundcrew); 3 = high exposure (>70,000 for officers; >85,000 for enlisted flyers; >27,000 for enlisted groundcrew); . = Comparisons]
EYEMOVE	45	Character	Ocular movement [N = normal; A = abnormal]
EYEMOVEI	46	Numeric	Ocular movement [1 = normal; 2 = abnormal]
FIELDS	47	Character	Visual fields [N = normal; A = abnormal]

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
FIELDSE	48	Numeric	Visual fields [1 = normal; 2 = abnormal]
GAIT	49	Character	Gait [N = normal; A = abnormal; ' ' = missing]
GAITI	50	Numeric	Gait [1 = normal; 2 = abnormal; 9 = missing]
EXPGRP	51-52	Character	Exposure group [O = Original Comparison; R1 = Replacement Comparison fully compliant at Cycle 1 (1982) and Cycle 2 (1985); R2 = Replacement Comparison first fully compliant at Cycle 2 (1985); RH = Ranch Hand]
INDCH	53-55	Character	Industrial chemicals exposure [NO = no; YES = yes]
INDCHI	56	Numeric	Industrial chemicals exposure [1 = no; 2 = yes]
INSECT	57-59	Character	Insecticide exposure [NO = no; YES = yes]
INSECTI	60	Numeric	Insecticide exposure [1 = no; 2 = yes]
JAW	61	Character	Jaw clench [N = normal (symmetric); A = abnormal (deviated)]
JAWI	62	Numeric	Jaw clench [1 = normal (symmetric); 2 = abnormal (deviated)]
LTRX	63	Character	Light reaction [N = normal; A = abnormal; ' ' = missing]
LTRXI	64	Numeric	Light reaction [1 = normal; 2 = abnormal; 9 = missing]
MUSSTAT	65	Character	Muscle status [N = normal; A = abnormal]
MUSSTATI	66	Numeric	Muscle status [1 = normal; 2 = abnormal]
NECKRNG	67	Character	Neck range of motion [N = normal; A = abnormal]
NECKRNGI	68	Numeric	Neck range of motion [1 = normal; 2 = abnormal]
OCC	69-71	Character	Occupation [OFF = officer; EFL = enlisted flyer; EGC = enlisted groundcrew]
OCCI	72	Numeric	Occupation [1 = officer; 4 = enlisted flyer; 5 = enlisted groundcrew]
PALPFIS	73	Character	Palpebral fissure [N = normal; A = abnormal; ' ' = missing]
PALPFISI	74	Numeric	Palpebral fissure [1 = normal; 2 = abnormal; 9 = missing]
PALRX	75	Character	Gag reflex [N = normal; A = abnormal; ' ' = missing]
PALRXI	76	Numeric	Gag reflex [1 = normal; 2 = abnormal; 9 = missing]
PALUV	77	Character	Palate and uvula movement [N = normal; A = abnormal; ' ' = missing]
PALUVI	78	Numeric	Palate and uvula movement [1 = normal; 2 = abnormal; 9 = missing]
PATELL	79	Character	Patellar reflex [N = normal; A = abnormal; ' ' = missing]
PATELLI	80	Numeric	Patellar reflex [1 = normal; 2 = abnormal; 9 = missing]
PNPRC	81	Character	Pinprick [N = normal; A = abnormal]
PNPRCI	82	Numeric	Pinprick [1 = normal; 2 = abnormal]
RACE	83-84	Character	Race [BL = Black; NB = non-Black]
RACENUM	85	Numeric	Race [1 = Black; 2 = non-Black]
ROMBERG	86	Character	Romberg sign [N = normal; A = abnormal; ' ' = missing]
ROMBERGI	87	Numeric	Romberg sign [1 = normal; 2 = abnormal; 9 = missing]
SENSORY	88	Character	Facial sensation [N = normal; A = abnormal; ' ' = missing]
SENSORYI	89	Numeric	Facial sensation [1 = normal; 2 = abnormal; 9 = missing]
SMELL	90	Character	Smell [N = normal; A = abnormal]
SMELLI	91	Numeric	Smell [1 = normal; 2 = abnormal]
SMILE	92	Character	Smile [N = normal; A = abnormal]
SMILEI	93	Numeric	Smile [1 = normal; 2 = abnormal]
SPEECH	94	Character	Speech [N = normal; A = abnormal; ' ' = missing]
SPEECHI	95	Numeric	Speech [1 = normal; 2 = abnormal; 9 = missing]
SYPH	96	Character	Syphilis [X = yes; ' ' = no]
TONGPOS	97	Character	Tongue position relative to midline [N = normal (symmetric); A = abnormal (deviated); ' ' = missing]
TONGPOSI	98	Numeric	Tongue position relative to midline [1 = normal (symmetric); 2 = abnormal (deviated); 9 = missing]
TOUCH	99	Character	Light touch [N = normal; A = abnormal]
TOUCHI	100	Numeric	Light touch [1 = normal; 2 = abnormal]



<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
TREM	101	Character	Tremor [N = normal; A = abnormal]
TREMI	102	Numeric	Tremor [1 = normal; 2 = abnormal]
VIBRAT	103	Character	Vibratory sensation as measured at the ankle [N = normal; A = abnormal]
VIBRATI	104	Numeric	Vibratory sensation as measured at the ankle [1 = normal; 2 = abnormal]
CNF2	105	Character	Cranial nerve index without neck range of motion included [N = normal; A = abnormal; ' ' = missing]
CNF2I	106	Numeric	Cranial nerve index without neck range of motion included [1 = normal; 2 = abnormal; 9 = missing]
CNS	107	Character	Central nervous system index [N = normal; A = abnormal; ' ' = missing]
CNSI	108	Numeric	Central nervous system index [1 = normal; 2 = abnormal; 9 = missing]
EDEMA	109	Character	Pitting or non-pitting edema (Y= yes; N = no; ' ' = missing)
QIGP	110	Character	History of inflammatory diseases, as determined by questionnaire [A = abnormal (yes); N = normal (no)]
QII	111	Numeric	History of inflammatory diseases, as determined by questionnaire [1 = normal (no); 2 = abnormal (yes)]
QHDGP	112	Character	History of hereditary and degenerative diseases, as determined by questionnaire [A = abnormal (yes); N = normal (no)]
QHDI	113	Numeric	History of hereditary and degenerative diseases, as determined by questionnaire [1 = normal (no); 2 = abnormal (yes)]
QPGP	114	Character	History of peripheral disorders, as determined by questionnaire [A = abnormal (yes); N = normal (no)]
QPI	115	Numeric	History of peripheral disorders, as determined by questionnaire [1 = normal (no); 2 = abnormal (yes)]
QEYEGP	116	Character	History of disorders of the eye, as determined by questionnaire [A = abnormal (yes); N = normal (no)]
QEYEI	117	Numeric	History of disorders of the eye, as determined by questionnaire [1 = normal (no); 2 = abnormal (yes)]
QEARGP	118	Character	History of disorders of the ear, as determined by questionnaire [A = abnormal (yes); N = normal (no)]
QEARI	119	Numeric	History of disorders of the ear, as determined by questionnaire [1 = normal (no); 2 = abnormal (yes)]
QODGP	120	Character	History of other neurological disorders, as determined by questionnaire [A = abnormal (yes); N = normal (no)]
QODI	121	Numeric	History of other neurological disorders, as determined by questionnaire [1 = normal (no); 2 = abnormal (yes)]
QINTIGP	122	Character	1982-1985 interval occurrence of inflammatory diseases, as determined by questionnaire [N = normal (no)]
QINTII	123	Numeric	1982-1985 interval occurrence of inflammatory diseases, as determined by questionnaire [1 = normal (no)]
QINTHDGP	124	Character	1982-1985 interval occurrence of hereditary and degenerative diseases, as determined by questionnaire [A = abnormal (yes); N = normal (no)]
QINTHDI	125	Numeric	1982-1985 interval occurrence of hereditary and degenerative diseases, as determined by questionnaire [1 = normal (no); 2 = abnormal (yes)]
QINTPGP	126	Character	1982-1985 interval occurrence of peripheral disorders, as determined by questionnaire [A = abnormal (yes); N = normal (no)]
QINTPI	127	Numeric	1982-1985 interval occurrence of peripheral disorders, as determined by questionnaire [1 = normal (no); 2 = abnormal (yes)]
QINEYEGP	128	Character	1982-1985 interval occurrence of disorders of the eye, as determined by questionnaire [A = abnormal (yes); N = normal (no)]
QINEYEI	129	Numeric	1982-1985 interval occurrence of disorders of the eye, as determined by questionnaire [1 = normal (no); 2 = abnormal (yes)]
QINEARGP	130	Character	1982-1985 interval occurrence of disorders of the ear, as determined by questionnaire [A = abnormal (yes); N = normal (no)]

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
QINEARI	131	Numeric	1982-1985 interval occurrence of disorders of the ear, as determined by questionnaire [1 = normal (no); 2 = abnormal (yes)]
QINTODGP	132	Character	1982-1985 interval occurrence of other neurological disorders, as determined by questionnaire [A = abnormal (yes); N = normal (no)]
QINTODI	133	Numeric	1982-1985 interval occurrence of other neurological disorders, as determined by questionnaire [1 = normal (no); 2 = abnormal (yes)]

The file PSYCH\_85.DAT contains data from the 1985 follow-up (Cycle 2) examination that were used to perform the exposure analyses for the Psychology chapter (Chapter 12 – 1985 follow-up report).

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
SEQNO	1-5	Character	AFHS subject identification
AGEBGP	6-9	Character	Age group at baseline (1982) examination [LE40 = ≤40 years of age (born in or after 1942); 4060 = >40 years of age and < 60 years of age (born after 1922 and before 1942); GE60 = ≥60 years of age (born in or before 1922)]
AGEBI	10	Numeric	Age group at baseline (1982) examination [1 = ≤40 years of age (born in or after 1942); 2 = >40 years of age and < 60 years of age (born after 1922 and before 1942); 3 = ≥60 years of age (born in or before 1922)]
ANXGP	11-12	Character	Categorized T-score for Minnesota Multiphasic Personality Inventory (MMPI) Pt-scale (anxiety or psychasthenia) [NM = normal (30 ≤ T-score ≤ 70); HI = high (T-score > 70); ' ' = missing or refused exam]]
ANXI	13	Numeric	Categorized T-score for MMPI Pt-scale (anxiety or psychasthenia) [1 = normal (30 ≤ T-score ≤ 70); 2 = high (T-score > 70); 9 = missing or refused exam]
ANXIETY	14-16	Numeric	T-score for MMPI Pt-scale (anxiety or psychasthenia) [. = missing or refused exam]
AGEBASE	17-18	Numeric	Age (years) in 1982
CDRINKER	19	Numeric	Any drink in the last 12 months? [1 = yes; 2 = no; 9 = missing]
CDRINKGP	20	Character	Any drink in the last 12 months? [Y = yes; N = no; ' ' = missing]
CGI	21	Numeric	Exposure group [0 = Ranch Hand; 1 = Original Comparison; 2 = Replacement Comparison fully compliant at Cycle 1 (1982) and Cycle 2 (1985); 3 = Replacement Comparison first fully compliant at Cycle 2 (1985)]
CONSGP	22-23	Character	Categorized T-score for MMPI F-scale (consistency) [NM = normal (30 ≤ T-score ≤ 70); HI = high (T-score > 70); ' ' = missing or refused exam]
CONSI	24	Numeric	Categorized T-score for MMPI F-scale (consistency) [1 = normal (30 ≤ T-score ≤ 70); 2 = high (T-score > 70); 9 = missing or refused exam]
CONSIST	25-27	Numeric	T-score for MMPI F-scale (consistency) [. = missing or refused exam]
DEFENS	28-29	Numeric	T-score for MMPI L-scale (defensiveness) [. = missing or refused exam]
DEFGP	30-31	Character	Categorized T-score for MMPI L-scale (defensiveness) [NM = normal (30 ≤ T-score ≤ 70); HI = high (T-score > 70); ' ' = missing or refused exam]
DEFI	32	Numeric	Categorized T-score for MMPI L-scale (defensiveness) [1 = normal (30 ≤ T-score ≤ 70); 2 = high (T-score > 70); 9 = missing or refused exam]
DENGP	33-34	Character	Categorized T-score for MMPI K-scale (denial) [NM = normal (30 ≤ T-score ≤ 70); HI = high (T-score > 70); ' ' = missing or refused exam]
DENI	35	Numeric	Categorized T-score for MMPI K-scale (denial) [1 = normal (30 ≤ T-score ≤ 70); 2 = high (T-score > 70); 9 = missing or refused exam]
DENIAL	36-37	Numeric	T-score for MMPI K-scale (denial) [. = missing or refused exam]
DEPGP	38-39	Character	Categorized T-score for MMPI D-scale (depression) [NM = normal (30 ≤ T-score ≤ 70); HI = high (T-score > 70); LO = low (T-score < 30); ' ' = missing or refused exam]
DEPI	40	Numeric	Categorized T-score for MMPI D-scale (depression) [1 = normal (30 ≤ T-score ≤ 70); 2 = low or high (T-score < 30 or T-score > 70); 9 = missing or refused exam]
DEPRESS	41-43	Numeric	T-score for MMPI D-scale (depression) [. = missing or refused exam]
DRINKYR	44-51	Numeric	Lifetime alcohol history (drink-years) [999 = missing]

Variable	Column	Variable Type	Comment
EXPGRP	52-53	Character	Exposure group [O = Original Comparison; R1 = Replacement Comparison fully compliant at Cycle 1 (1982) and Cycle 2 (1985); R2 = Replacement Comparison first fully compliant at Cycle 2 (1985); RH = Ranch Hand]
EXPINDEX	54	Numeric	Exposure index (based on gallons of effective Herbicide Orange) (Ranch Hands only) [1 = low exposure ( $\leq 35,000$ for officers; $\leq 50,000$ for enlisted flyers; $\leq 20,000$ for enlisted groundcrew); 2 = medium exposure ( $> 35,000$ and $\leq 70,000$ for officers; $> 50,000$ and $\leq 85,000$ for enlisted flyers; $> 20,000$ and $\leq 27,000$ for enlisted groundcrew); 3 = high exposure ( $> 70,000$ for officers; $> 85,000$ for enlisted flyers; $> 27,000$ for enlisted groundcrew); . = Comparisons]
HYPGP	55-56	Character	Categorized T-score for MMPI Hs-scale (hypochondria) [NM = normal ( $30 \leq T\text{-score} \leq 70$ ); HI = high ( $T\text{-score} > 70$ ); ' ' = missing or refused exam]
HYPI	57	Numeric	Categorized T-score for MMPI Hs-scale (hypochondria) [1 = normal ( $30 \leq T\text{-score} \leq 70$ ); 2 = high ( $T\text{-score} > 70$ ); 9 = missing or refused exam]
HYPOCH	58-60	Numeric	T-score for MMPI Hs-scale (hypochondria) [. = missing or refused exam]
HYSGP	61-62	Character	Categorized T-score for MMPI Hy-scale (hysteria) [NM = normal ( $30 \leq T\text{-score} \leq 70$ ); HI = high ( $T\text{-score} > 70$ ); ' ' = missing or refused exam]
HYSI	63	Numeric	Categorized T-score for MMPI Hy-scale (hysteria) [1 = normal ( $30 \leq T\text{-score} \leq 70$ ); 2 = high ( $T\text{-score} > 70$ ); 9 = missing or refused exam]
HYSTERIA	64-66	Numeric	T-score for MMPI Hy-scale (hysteria) [. = missing or refused exam]
MANGP	67-68	Character	Categorized T-score for MMPI Ma-scale (mania/hypomania) [NM = normal ( $30 \leq T\text{-score} \leq 70$ ); HI = high ( $T\text{-score} > 70$ ); LO = low ( $T\text{-score} < 30$ ); ' ' = missing or refused exam]
MANI	69	Numeric	Categorized T-score for MMPI Ma-scale (mania/hypomania) [1 = normal ( $30 \leq T\text{-score} \leq 70$ ); 2 = low or high ( $T\text{-score} < 30$ or $T\text{-score} > 70$ ); 9 = missing or refused exam]
MANIA	70-71	Numeric	T-score for MMPI Ma-scale (mania/hypomania) [. = missing or refused exam]
MASCFEM	72-73	Numeric	T-score for MMPI Mf-scale (masculinity/femininity) [. = missing or refused exam]
MFGP	74-75	Character	Categorized T-score for MMPI Mf-scale (masculinity/femininity) [NM = normal ( $30 \leq T\text{-score} \leq 70$ ); HI = high ( $T\text{-score} > 70$ ); ' ' = missing or refused exam]
MFI	76	Numeric	Categorized T-score for MMPI Mf-scale (masculinity/femininity) [1 = normal ( $30 \leq T\text{-score} \leq 70$ ); 2 = high ( $T\text{-score} > 70$ ); 9 = missing or refused exam]
OCC	77-79	Character	Occupation [OFF = officer; EFL = enlisted flyer; EGC = enlisted groundcrew]
OCCI	80	Numeric	Occupation [1 = officer; 4 = enlisted flyer; 5 = enlisted groundcrew]
PARAGP	81-82	Character	Categorized T-score for MMPI Pa-scale (paranoia) [NM = normal ( $30 \leq T\text{-score} \leq 70$ ); HI = high ( $T\text{-score} > 70$ ); ' ' = missing or refused exam]
PARAI	83	Numeric	Categorized T-score for MMPI Pa-scale (paranoia) [1 = normal ( $30 \leq T\text{-score} \leq 70$ ); 2 = high ( $T\text{-score} > 70$ ); 9 = missing or refused exam]
PARANOIA	84-85	Numeric	T-score for MMPI Pa-scale (paranoia) [. = missing or refused exam]
PSYDEV	86-88	Numeric	T-score for MMPI Pd-scale (psychopathic deviate) [. = missing or refused exam]
PSYGP	89-90	Character	Categorized T-score for MMPI Pd-scale (psychopathic/deviate) [NM = normal ( $30 \leq T\text{-score} \leq 70$ ); HI = high ( $T\text{-score} > 70$ ); LO = low ( $T\text{-score} < 30$ ); ' ' = missing or refused exam]

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
PSYI	91	Numeric	Categorized T-score for MMPI Pd-scale (psychopathic/deviate) [1 = normal ( $30 \leq T\text{-score} \leq 70$ ); 2 = low or high ( $T\text{-score} < 30$ or $T\text{-score} > 70$ ); 9 = missing or refused exam]
RACE	92-93	Character	Race [BL = Black; NB = non-Black]
RACENUM	94	Numeric	Race [1 = Black; 2 = non-Black]
SCHGP	95-96	Character	Categorized T-score for MMPI Sc-scale (schizophrenia) [NM = normal ( $30 \leq T\text{-score} \leq 70$ ); HI = high ( $T\text{-score} > 70$ ); LO = low ( $T\text{-score} < 30$ ); ' ' = missing or refused exam]
SCHI	97	Numeric	Categorized T-score for MMPI Sc-scale (schizophrenia) [1 = normal ( $30 \leq T\text{-score} \leq 70$ ); 2 = low or high ( $T\text{-score} < 30$ or $T\text{-score} > 70$ ); 9 = missing or refused exam]
SCHIZO	98-100	Numeric	T-score for MMPI Sc-scale (schizophrenia) [. = missing or refused exam]
SOCGP	101-102	Character	Categorized T-score for MMPI Si-scale (social introversion) [NM = normal ( $30 \leq T\text{-score} \leq 70$ ); HI = high ( $T\text{-score} > 70$ ); ' ' = missing or refused exam]
SOCI	103	Numeric	Categorized T-score for MMPI Si-scale (social introversion) [1 = normal ( $30 \leq T\text{-score} \leq 70$ ); 2 = high ( $T\text{-score} > 70$ ); 9 = missing or refused exam]
SOCINT	104-105	Numeric	T-score for MMPI Si-scale (social introversion) [. = missing or refused exam]
EDUCATN	106	Numeric	Education [1 = high school or less; 2 = college]
EDGP	107-108	Character	Education [HS = high school or less; CL = college]
IIGP	109	Character	Constructed impairment index (Halstead-Reitan Battery Impairment) [N = normal; A = abnormal; ' ' = missing or refused exam]
III	110	Numeric	Constructed impairment index (Halstead-Reitan Battery Impairment) [1 = normal; 2 = abnormal; 9 = missing or refused exam]
PTSDGP	111	Character	Post-traumatic stress disorder based on MMPI [N = normal; A = abnormal; ' ' = missing or refused exam]
PTSDI	112	Numeric	Post-traumatic stress disorder based on MMPI [1 = normal; 2 = abnormal; 9 = missing or refused exam]
VALIDITY	113-115	Numeric	Number of unanswered questions on MMPI (validity score)
AHSCORE	116	Numeric	Areas score on sections A-H of the Cornell Medical Index (CMI) [. = missing]
TOTALCI	117-119	Numeric	Total Cornell Medical Index (CMI) score [. = missing]
MRSCORE	120-121	Numeric	Area score on sections M-R of the Cornell Medical Index (CMI) [. = missing]
VALGP	122-123	Character	Categorized validity score [NM = no unanswered questions on MMPI; AB = unanswered questions on MMPI]
VALI	124	Numeric	MMPI validity score [1 = no unanswered questions on MMPI; 2 = unanswered questions on MMPI]
AHGP	125	Character	A-H areas score of CMI [L = low; M = medium; H = high; ' ' = missing]
AHI	126	Numeric	A-H areas score of CMI [1 = low; 2 = medium; 3 = high; 9 = missing]
MRGP	127-130	Character	M-R areas score group of CMI [0 (low); 1-10 (medium); >10 (high); ' ' = missing]
MRI	131	Numeric	M-R areas score group of CMI [1 = 0 (low); 2 = 1-10 (medium); 3 = >10 (high); 9 = missing]
PTSDVCGP	132	Character	Post-traumatic stress disorder (determined from questions on the Vietnam Combat Index) (L = low; M = medium; H = high; ' ' = missing)
PTSDVCII	133	Numeric	Post-traumatic stress disorder (determined from questions on the Vietnam Combat Index) (1 = low; 2 = medium; 3 = high; 9 = missing)
DRKYRGP	134-138	Character	Lifetime alcohol history [0 = 0 drink-years; >0-50 = >0 - 50 drink-years; >50 = >50 drink-years; ' ' = missing]

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
DRKYRI	139	Numeric	Lifetime alcohol history [1 = 0 drink-years; 2 = >0 - 50 drink-years; 3 = >50 drink-years; 9 = missing]
QADGP	140	Character	History of alcohol dependence, as determined by questionnaire response to mental or emotional disorder [A = abnormal (yes); N = normal (no)]
QADI	141	Numeric	History of alcohol dependence, as determined by questionnaire response to mental or emotional disorder [1 = normal (no); 2 = abnormal (yes)]
QANXGP	142	Character	History of anxiety, as determined by questionnaire response to mental or emotional disorder [A = abnormal (yes); N = normal (no)]
QANXI	143	Numeric	History of anxiety, as determined by questionnaire response to mental or emotional disorder [1 = normal (no); 2 = abnormal (yes)]
QONGP	144	Character	History of other neuroses, as determined by questionnaire response to mental or emotional disorder [A = abnormal (yes); N = normal (no)]
QONI	145	Numeric	History of other neuroses, as determined by questionnaire response to mental or emotional disorder [1 = normal (no); 2 = abnormal (yes)]
QPSYGP	146	Character	History of psychoses, as determined by questionnaire response to mental or emotional disorder [A = abnormal (yes); N = normal (no)]
QPSYI	147	Numeric	History of psychoses, as determined by questionnaire response to mental or emotional disorder [1 = normal (no); 2 = abnormal (yes)]

The file PULMO\_85.DAT contains data from the 1985 follow-up (Cycle 2) examination that were used to perform the exposure analyses for the Pulmonary chapter (Chapter 20 – 1985 follow-up report).

Variable	Column	Variable Type	Comment
SEQNO	1-5	Character	AFHS subject identification
ASTHMA	6	Numeric	Asthma, self-reported history [1 = no; 2 = yes; 9 = missing]
ABRONC	7	Numeric	Bronchitis, self-reported history [1 = no; 2 = yes; 9 = missing]
APLUERSY	8	Numeric	Pleurisy, self-reported history [1 = no; 2 = yes; 9 = missing]
APNEUMO1	9	Numeric	Pneumonia, self-reported history [1 = no; 2 = yes; 9 = missing]
ATB	10	Numeric	Tuberculosis, self-reported history [1 = no; 2 = yes; 9 = missing]
ATHRLUNG	11	Numeric	Thorax and lung abnormalities [1 = no; 2 = yes; 9 = missing]
ASSYEXP	12	Numeric	Asymmetric expansion [1 = no; 2 = yes; 9 = missing]
ARESONAN	13	Numeric	Hyperresonance [1 = no; 2 = yes; 9 = missing]
ADULLNES	14	Numeric	Dullness [1 = no; 2 = yes; 9 = missing]
AWHEEZES	15	Numeric	Wheezes [1 = no; 2 = yes; 9 = missing]
ARALE	16	Numeric	Rales [1 = no; 2 = yes; 9 = missing]
AXRAY	17	Numeric	X-ray interpretation [1 = normal; 2 = abnormal; 9 = missing]
CAGE	18	Numeric	Age [1 = Born before 1922; 2 = Born between 1922 and 1942 (inclusive); 3 = Born after 1942]
BID	19	Numeric	Exposure group [1 = Ranch Hand; 2 = Comparison]
GRP	20	Numeric	Exposure group [1 = Ranch Hand; 2 = Original Comparison; 3 = Replacement Comparison]
EXPINDEX	21	Numeric	Exposure index (based on gallons of effective Herbicide Orange) (Ranch Hands only) [1 = low exposure ( $\leq 35,000$ for officers; $\leq 50,000$ for enlisted flyers; $\leq 20,000$ for enlisted groundcrew); 2 = medium exposure ( $> 35,000$ and $\leq 70,000$ for officers; $> 50,000$ and $\leq 85,000$ for enlisted flyers; $> 20,000$ and $\leq 27,000$ for enlisted groundcrew); 3 = high exposure ( $> 70,000$ for officers; $> 85,000$ for enlisted flyers; $> 27,000$ for enlisted groundcrew); 9 = Comparisons]
DPACKYR	22	Numeric	Lifetime cigarette smoking history (pack-years) [1 = $> 0 - < 10$ ; 2 = $\geq 10$ ; 3 = 0; 9 = missing]
OCC	23	Numeric	Occupation (Ranch Hands only) [1 = officer; 4 = enlisted flyer; 5 = enlisted groundcrew; . = Comparison]

The file CARD\_85.DAT contains data from the 1985 follow-up (Cycle 2) examination that were used to perform the exposure analyses for the Cardiovascular chapter (Chapter 15 – 1985 follow-up report).

Variable	Column	Variable Type	Comment
SEQNO	1-5	Character	AFHS subject identification
PACKYR	6-11	Numeric	Lifetime cigarette smoking history (pack-years) [. = missing]
CCIGSDAY	12-13	Numeric	Current cigarette smoking (cigarettes/day)
CIGARYR	14-16	Numeric	Lifetime cigar smoking history (cigar-years) [. = missing]
CCGARDAY	17-18	Numeric	Current cigar smoking (cigars/day)
PIPEYR	19-21	Numeric	Lifetime pipe smoking history (pipe-years) [. = missing]
CPIPEDAY	22-23	Numeric	Current pipe smoking (pipefuls/day) [. = missing]
DRINKYR	24-29	Numeric	Lifetime alcohol history (drink-years) [. = missing]
ECG	30	Numeric	Overall electrocardiograph assessment [1 = normal; 2 = abnormal]
SYSTOLIC	31-33	Numeric	Systolic blood pressure (mm Hg) [. = missing]
DIASTOLC	34-36	Numeric	Diastolic blood pressure (mm Hg) [. = missing]
EXPGRP	37-38	Character	Exposure group [O = Original Comparison; R1 = Replacement Comparison fully compliant at Cycle 1 (1982) and Cycle 2 (1985); R2 = Replacement Comparison first fully compliant at Cycle 2 (1985); RH = Ranch Hand]
CGI	39	Numeric	Exposure group [0 = Ranch Hand; 1 = Original Comparison; 2 = Replacement Comparison fully compliant at Cycle 1 (1982) and Cycle 2 (1985); 3 = Replacement Comparison first fully compliant at Cycle 2 (1985)]
RACENUM	40	Numeric	Race [1 = Black; 2 = non-Black]
AGE	41-44	Numeric	Age at 1985 follow-up examination (years)
ALC_INT	45-50	Numeric	Current alcohol use (drinks/day) [. = missing]
CHOLA	51-53	Numeric	Cholesterol (mg/dl)
HDLA	54-56	Numeric	High density lipoprotein (HDL) cholesterol (mg/dl)
SSTYPE_A	57-61	Numeric	Personality type from Jenkins Activity Survey [. = missing]
EXPINDEX	62	Numeric	Exposure index (based on gallons of effective Herbicide Orange) (Ranch Hands only) [1 = low exposure ( $\leq 35,000$ for officers; $\leq 50,000$ for enlisted flyers; $\leq 20,000$ for enlisted groundcrew); 2 = medium exposure ( $> 35,000$ and $\leq 70,000$ for officers; $> 50,000$ and $\leq 85,000$ for enlisted flyers; $> 20,000$ and $\leq 27,000$ for enlisted groundcrew); 3 = high exposure ( $> 70,000$ for officers; $> 85,000$ for enlisted flyers; $> 27,000$ for enlisted groundcrew); . = Comparisons]
EGRP	63	Numeric	Exposure group [0 = Ranch Hand; 1 = Comparison]
YOB	64-67	Numeric	Year of birth
CYOB	68	Numeric	Year of birth [1 = born in or after 1942; 2 = born before 1942]
COCC	69	Numeric	Occupation [1 = officer; 4 = enlisted flyer; 5 = enlisted groundcrew]
ECIGSDAY	70-75	Numeric	"Equivalent" current cigarette smoking (cigarettes per day) ( $CCIGSDAY + 0.588 * CCGARDAY + 0.233 * CPIPEDAY$ ) [. = missing]
EPACKYR	76-83	Numeric	"Equivalent" lifetime cigarette smoking history (pack-years) ( $PACKYR + 0.0294 * CIGARYR + 0.0116 * PIPEYR$ ) [. = missing]
CHRATIO	84-100	Numeric	Cholesterol-high density lipoprotein (HDL) cholesterol ratio
PBF	101-117	Numeric	1985 body fat (percent) [. = missing]
CPBF	118	Numeric	1985 body fat [1 = $< 10$ percent; 2 = 10–25 percent; 3 = $> 25$ percent; . = missing]
CSSA	119	Numeric	Personality type from Jenkins Activity Survey [1 = $< -5$ ; 2 = -5 to 5; 3 = $> 5$ ; . = missing]



<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
DIFFC	120-124	Numeric	Differential cortisol response (difference between the initial cortisol and 2-hour cortisol) ( $\mu\text{g/dl}$ ) [. = missing]
CSYS	125	Numeric	Systolic blood pressure [1 = normal ( $\leq 140$ mm Hg); 2 = abnormal ( $> 140$ mm Hg); . = missing]
CDIA	126	Numeric	Diastolic blood pressure [1 = normal ( $\leq 90$ mm Hg); 2 = abnormal ( $> 90$ mm Hg); . = missing]
CHS	127	Numeric	Heart sounds [1 = normal; 2 = abnormal; . = missing]
CRBBB	128	Numeric	ECG: Right bundle branch block [1 = normal; 2 = abnormal]
CLBBB	129	Numeric	ECG: Left bundle branch block [1 = normal; 2 = abnormal]
CT_WAVE	130	Numeric	ECG: Non-specific T-wave changes [1 = normal; 2 = abnormal]
CBRADY	131	Numeric	ECG: Bradycardia [1 = normal; 2 = abnormal]
CTACHY	132	Numeric	ECG: Tachycardia [1 = normal; 2 = abnormal]
EOTH	133	Numeric	ECG: Other diagnoses [1 = normal; 2 = abnormal]
ARR	134	Numeric	ECG: Arrhythmia [1 = normal; 2 = abnormal]
CFUNDI	135	Numeric	Funduscopy exam [1 = normal; 2 = abnormal; . = missing]
CBRUIT	136	Numeric	Carotid bruits [1 = normal; 2 = abnormal; . = missing]
MRADIAL	137	Numeric	Radial pulses (manual) [1 = normal; 2 = abnormal; . = missing]
MFEMORAL	138	Numeric	Femoral pulses (manual) [1 = normal; 2 = abnormal; . = missing]
MPOPLIT	139	Numeric	Popliteal pulses (manual) [1 = normal; 2 = abnormal; . = missing]
MDORS	140	Numeric	Dorsalis pedis pulses (manual) [1 = normal; 2 = abnormal; . = missing]
MPOST	141	Numeric	Posterior tibial pulses (manual) [1 = normal; 2 = abnormal; . = missing]
MLEG	142	Numeric	Leg pulses (manual) [1 = normal; 2 = abnormal; . = missing]
MPER	143	Numeric	Peripheral pulses (manual) [1 = normal; 2 = abnormal; . = missing]
MALL	144	Numeric	All pulses (manual) [1 = normal; 2 = abnormal; . = missing]
DRADIAL	145	Numeric	Radial pulses (Doppler) [1 = normal; 2 = abnormal; . = missing]
DFEMORAL	146	Numeric	Femoral pulses (Doppler) [1 = normal; 2 = abnormal; . = missing]
DPOPLIT	147	Numeric	Popliteal pulses (Doppler) [1 = normal; 2 = abnormal; . = missing]
DDORS	148	Numeric	Dorsalis pedis pulses (Doppler) [1 = normal; 2 = abnormal; . = missing]
DPOST	149	Numeric	Posterior tibial pulses (Doppler) [1 = normal; 2 = abnormal; . = missing]
DLEG	150	Numeric	Leg pulses (Doppler) [1 = normal; 2 = abnormal; . = missing]
DPER	151	Numeric	Peripheral pulses (Doppler) [1 = normal; 2 = abnormal; . = missing]
DALL	152	Numeric	All pulses (Doppler) [1 = normal; 2 = abnormal; . = missing]
DIABETIC	153	Character	Diabetes [Y = yes; N = no]
CECIGS	154	Numeric	Categorized "equivalent" current cigarette smoking (cigarettes per day) ( $\text{CCIGSDAY} + 0.588 * \text{CCGARDAY} + 0.233 * \text{CPIPE DAY}$ ) (0 = 0; 1 = $> 0-20$ ; 2 = $> 20$ ; . = missing)
CEPACK	155	Numeric	Categorized "equivalent" lifetime cigarette smoking history (pack-years) ( $\text{PACKYR} + 0.0294 * \text{CIGARYR} + 0.0116 * \text{PIPEYR}$ ) (0 = 0; 1 = $> 0-20$ ; 2 = $> 20$ ; . = missing)
CCHOLA	156	Numeric	Categorized cholesterol (mg/dl) [1 = $\leq 200$ mg/dl; 2 = $> 200-230$ mg/dl; 3 = $> 230$ mg/dl]
CHDLA	157	Numeric	Categorized high density lipoprotein (HDL) cholesterol [1 = $\leq 40$ mg/dl; 2 = $> 40-50$ mg/dl; 3 = $> 50$ mg/dl]
CCHRATIO	158	Numeric	Categorized cholesterol-high density lipoprotein (HDL) cholesterol ratio [1 = $\leq 4.2$ ; 2 = $> 4.2-5.5$ ; 3 = $\geq 5.5$ ]
CDIFFC	159	Numeric	Categorized differential cortisol response (difference between the initial cortisol and 2-hour cortisol) ( $\mu\text{g/dl}$ ) [1 = $\leq 0.6$ ; 2 = $> 0.6-4.0$ ; 3 = $> 4.0$ ; . = missing]
CALC_INT	160	Numeric	Categorized current alcohol use (drinks/day) [0 = 0; 1 = $> 0-1$ ; 2 = $> 1$ ; . = missing]

<b>Variable</b>	<b>Column</b>	<b>Variable Type</b>	<b>Comment</b>
CDRINKYR	161	Numeric	Categorized lifetime alcohol history (drink-years) [1 = ≤1.25; 2 = >1.25-25; 3 = >25; . = missing]
RHY	162	Numeric	Self-reported history of essential hypertension [1 = normal (no); 2 = abnormal (yes)]
VHY	163	Numeric	History of essential hypertension, verified by medical records [1 = normal (no); 2 = abnormal (yes)]
RHD	164	Numeric	Self-reported history of heart disease (excluding essential hypertension), [1 = normal (no); 2 = abnormal (yes)]
VHD	165	Numeric	History of heart disease (excluding essential hypertension), verified by medical records [1 = normal (no); 2 = abnormal (yes)]
RMI	166	Numeric	Self-reported history of myocardial infarction [1 = normal (no); 2 = abnormal (yes)]
VMI	167	Numeric	History of myocardial infarction, verified by medical records [1 = normal (no); 2 = abnormal (yes)]
EDEMA	168	Character	Pitting or non-pitting edema (Y = yes; N = no; '' = missing)

C2FORM2A.DAT contains data from Cycle 2 Physical Exam FORM 2A which includes 'Review of Systems' and 'Exposure History'.

File format:

VARIABLE	COLUMN	COMMENT
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SEQNO	1-5	subject ID
FOOD_R	6	foods that disagree
ITCH	7	itch or rash
SWELL	8	swelling, lump, or soreness
NUMB	9	numbness or tingling
TWITCH	10	twitching muscles
GETUP_TP	11	get up at night to urinate
FREQ_TP	12	urinate at night - frequency
PAIN	13	severe headaches or head pains
VISION	14	disturbance in vision
EYEPAIN	15	pain or discomfort in eyes
GLASSES	16	wear glasses or contacts
EARNNOISE	17	constant noise in ears
HEARING	18	hard of hearing
EARACH	19	ear ache with colds
EARACHPL	20	ear ache while flying
RUNEAR	21	chronic running ears
STUFNOSE	22	chronic stuffy or runny nose
NOSEDROP	23	use nose drops frequently
NOSEBLED	24	bad nose bleeds at times
COLDS	25	frequent severe colds or sore throats
DENTAL	26	any known dental problems
GUMS	27	soreness or bleeding of gums
TEETH	28	more than 1 year since teeth checked
SORETONG	29	sore mouth or tongue
GOITTHYR	30	goiter or thyroid trouble
THYROIDH	31	thyroid too high
THYRIODL	32	thyroid too low
LUMPTHRO	33	feeling of lump in throat
THYROIDM	34	take thyroid medication
HOARSNES	35	hoarseness at times
COUGH	36	recent or chronic cough
CHRCOUGH	37	chronic coughing up of sputum
COUGHBLD	38	ever cough up sputum
ACHALLOV	39	ache all over
CHILFEV	40	have chills or fever
SWEAT	41	severe soaking night sweats
LIVDTB	42	lived with anyone with TB
HEARTWD	43	worried about heart
BLDPRSHI	44	blood pressure too high
BLDPRSLO	45	blood pressure too low
PAINCHST	46	pains in heart or chest
SKPHEART	47	pounding or skipping of heart
HARTRACE	48	heart starts racing suddenly
BREATH	49	shortness of breath or wheezing
GETBRETH	50	trouble getting a deep breath
SWLANKLE	51	swelling ankles
CRAMPSIT	52	leg cramps in bed or while sitting
CRAMPWLK	53	leg cramps while walking
SWALLOW	54	pain or trouble swallowing
APETITER	55	poor appetite recently
APETITE	56	poor appetite always
NAUSEA	57	nausea or vomiting
VMTBLOOD	58	vomiting of blood
INDEGEST	59	belching, bloating, or indigestion
YELSKIN	60	yellow skin or eyes
BURNSTOM	61	burning or hunger pains in stomach
ANTACIDS	62	use antacids for stomach burning
SORESTOM	63	soreness or pain in stomach

VARIABLE	COLUMN	COMMENT
SUSPULCR	64	suspect ulcers or stomach trouble
CRAMPSTM	65	cramps in stomach
DIARRHEA	66	loose bowels or diarrhea
BLKSTOOL	67	black or tarry stools
BLDSTOOL	68	fresh or bright blood in stools
MUCSTOOL	69	mucus in stools
CONSTIP	70	constipation
LAXFREQ	71	use laxatives frequently
FQENEMAS	72	use enemas frequently
CHGBOWEL	73	recent change in bowel habits
RECPAIN	74	rectal trouble or pain
PAINKID	75	pain in kidney region
PUSURIN	76	blood or pus in urine
ALBMURIN	77	albumin in urine
SUGRURIN	78	sugar in urine
FREQURIN	79	spells of frequent urination
BURNPAIN	80	burning or pain on urination
BLADPAIN	81	pains over bladder
STARTURN	82	trouble starting urine
WKSTREAM	83	weak urine stream
EMPTYBLAD	84	hard to empty bladder
LOSECTL	85	lose control of passing urine
PAINGENT	86	painful or sore genitals
JOINTS	87	swollen or painful joints
STIFFMUS	88	stiffness of muscles or joints
PAINLEG	89	severe pains in arms or legs
PAINFEET	90	painful feet
BACKACHE	91	backache
PAINNECK	92	pains in neck
SUNBURN	93	easy to sunburn
SUBJACNE	94	subject to acne
SUBJBOIL	95	subject to boils or infection
SUBATHFT	96	subject to athletes foot
SUBJHIVE	97	subject to hives or skin reactions
BLDBRUS	98	easy bleeding or bruising
MOLESORE	99	mole or sore that is not healing
DIZZNESS	100	severe dizziness
WEAKNESS	101	generalized weakness
MUSCLWK	102	muscle weakness
NAILBITE	103	nail biting
SLEEPWLK	104	sleep walking
BEDWET	105	bed wetting after age 12
TIRED	106	chronically tired or overworked
IRGHABIT	107	irregular living habits
CNTSLEEP	108	can't get to sleep
PRHEALTH	109	nearly always in poor health
NERVOUS	110	considered to be nervous
SICKFAM	111	from sickly or nervous family
TREMBLE	112	tremble or sweat easily
DECISPM	113	have trouble making up mind
MIXEDUP	114	easily mixed up or confused
CLUMSEY	115	clumsy or have accidents
LONELY	116	feel sad, lonely, or depressed
CRY	117	cry often
DEATHWSH	118	wish were dead
WORRY	119	worry continually
UPSET	120	upset by little things
PERFECT	121	perfectionist
SENSITVE	122	sensitive
MISUNDER	123	often misunderstood
IMPULSE	124	often act on sudden impulse
ANGERED	125	easily angered
JITTERY	126	frequently keyed up

VARIABLE	COLUMN	COMMENT
-----	-----	-----
STARTLE	127	easily scared by sudden noise
THOUGHTS	128	have bad dreams or thoughts
ILLNESS	129	suspect serious disease or cancer
PEOPLE	130	trouble getting along with people
COAL_TAR	131	exposed to coal tar
CREOSOTE	132	exposed to creosote
ANTHRA	133	exposed to anthracene
BENZENE	134	exposed to benzene
BENZI	135	exposed to benzidine
NAPH	136	exposed to naphthylamine
DIPHENYL	137	exposed to aminodiphenyl
MUST_GAS	138	exposed to mustard gas
V_CHLOR	139	exposed to vinyl chloride
ETHER	140	exposed to chloromethyl ether
ARSENIC	141	exposed to arsenic
CHROMATE	142	exposed to chromates
ASBESTOS	143	exposed to asbestos
OILS	144	exposed to cutting oils
TRICHL	145	exposed to trichloroethylene
UV_LIGHT	146	exposed to ultraviolet light
X_RAYED	147	exposed to x-rays
IONIZED	148	exposed to ionizing radiation

Notes:

1. All variables except FREQ\_TP have following values:

1=No  
2=Yes  
3=Refused  
9=Missing

2. FREQ\_TP has values 0-6, 9=missing

The C2FORM3A.DAT data file contains data from Cycle 2 Physical Exam FORM 3A which includes Physical Examination (part 1).

File Format:

VARIABLE	COLUMN	COMMENT
-----	-----	-----
SEQNO	1-5	subject ID
WTLKS	6	weight appearance 1=Well nourished, 4=Obese, 5=Under nourished, 3=Refused
AGELKS	7	age appearance 1=Same as, 4=Older than, 5=Younger than, 3=Refused
ILLDIST	8	appearance of illness 1=No, 2=Yes, 3=Refused, 9=Missing
HARDIST	9	hair distribution 1=Normal, 2=Abnormal, 3=Refused, 9=Missing
APEARCOM	10	appearance comment 1=No, 2=Yes, 3=Refused
HEIGHT	11-13	height (cm) 999=Missing
WEIGHT	14-18	weight (kg)
TEMPURE	19-23	oral temperature
SYSTOLIC	24-26	systolic blood pressure 999=Missing
DIASTOLC	27-29	diastolic blood pressure 999=Missing
PULRATE	30-32	pulse rate 999=Missing
VPBS	33-34	variable pulse beats per second 99=Missing
PULSE	35	pulse regularity 1=Regular, 4=Irregular, 5=Irregularly Irregular, 9=Missing
PULSCOM	36	pulse comment 1=No, 2=Yes, 3=Refused
EYEGRND	37	eye grounds normal 1=Normal, 2=Abnormal, 3=Refused
LITREFLX	38	increased light reflex 1=No, 2=Yes, 3=Refused
AV_NICK	39	audio-visual nicking 1=No, 2=Yes, 3=Refused
ARTERIOI	40	arteriolar spasm 1=No, 2=Yes, 3=Refused
PAPILL	41	papilledema 1=No, 2=Yes, 3=Refused
HEMORAGE	42	hemorrhages 1=No, 2=Yes, 3=Refused
EXUDATES	43	exudates 1=No, 2=Yes, 3=Refused
DISKPALL	44	disk pallor 1=No, 2=Yes, 3=Refused
CUPPING	45	increased cupping 1=No, 2=Yes, 3=Refused
ARCUS	46	arcus senilis present 1=No, 2=Yes, 3=Refused

VARIABLE	COLUMN	COMMENT
-----	-----	-----
PIGMENT	47	abnormal ocular pigmentation 1=No, 2=Yes, 3=Refused, 9=Missing
EYECOM	48	eye comments 1=No, 2=Yes, 3=Refused
ENTNORM	49	ear, nose, and throat normal 1=Normal, 2=Abnormal, 3=Refused
RTYMPAN	50	right tympanic membrane intact 1=Yes, 2=No, 3=Refused, 9=Missing
LTYMPAN	51	left tympanic membrane intact 1=Yes, 2=No, 3=Refused, 9=Missing
NASALULC	52	nasal ulcerations 1=No, 2=Yes, 3=Refused
ENTCOM	53	ear, nose, and throat comment 1=No, 2=Yes, 3=Refused
NECK	54	neck normal 1=Normal, 2=Abnormal, 3=Refused
THYROIDP	55	thyroid palpable 1=No, 2=Yes, 3=Refused
THYROIDE	56	thyroid enlarged 1=No, 2=Yes, 3=Refused
THYROIDN	57	thyroid nodules present 1=No, 2=Yes, 3=Refused
THYROIDT	58	thyroid tender 1=No, 2=Yes, 3=Refused
LCARTIDP	59	left carotid pulse absent 1=No, 2=Yes, 3=Refused
RCARTIDP	60	right carotid pulse absent 1=No, 2=Yes, 3=Refused
LCARTIDB	61	left carotid bruit present 1=No, 2=Yes, 3=Refused
RCARTIDB	62	right carotid bruit present 1=No, 2=Yes, 3=Refused
LPAROTID	63	left parotid gland enlarged 1=No, 2=Yes, 3=Refused
RPAROTID	64	right parotid gland enlarged 1=No, 2=Yes, 3=Refused
NECKCOM	65	neck comment 1=No, 2=Yes, 3=Refused
THORLUNG	66	thorax and lungs normal 1=Normal, 2=Abnormal, 3=Refused
ASSYEXP	67	asymmetrical expansion 1=No, 2=Yes, 3=Refused
RESONANC	68	hyperresonance 1=No, 2=Yes, 3=Refused
DULLNESS	69	dullness 1=No, 2=Yes, 3=Refused
WHEEZES	70	wheezes 1=No, 2=Yes, 3=Refused
RALES	71	rales 1=No, 2=Yes, 3=Refused
EXPIRAT	72-74	expiration (cm) 333=Refused, 999=Missing
INSPIRAT	75-77	inspiration (cm) 333=Refused, 999=Missing
LUNGCOM	78	lung comment 1=No, 2=Yes, 3=Refused

VARIABLE	COLUMN	COMMENT
-----	-----	-----
HEART	79	heart normal 1=Normal, 2=Abnormal, 3=Refused
HEARTSND	80	heart sounds normal 1=Yes, 2=No, 3=Refused
APICAL	81	displacement of apical impulse 1=No, 2=Yes, 3=Refused
THRUST	82	precordial thrust 1=No, 2=Yes, 3=Refused
S1	83	abnormal heart sounds - S1 1=No, 2=Yes, 3=Refused, 9=Missing
S2	84	abnormal heart sounds - S2 1=No, 2=Yes, 3=Refused, 9=Missing
S3	85	abnormal heart sounds - S3 1=No, 2=Yes, 3=Refused, 9=Missing
S4	86	abnormal heart sounds - S4 1=No, 2=Yes, 3=Refused, 9=Missing
MURMUR	87	heart murmur 1=No, 2=Yes, 3=Refused
SYSTOLAO	88	systolic aortic 1=No, 2=Yes, 3=Refused
SYSTOLPU	89	systolic pulmonic 1=No, 2=Yes, 3=Refused
SYSTOLAP	90	systolic apex 1=No, 2=Yes, 3=Refused
SYSTOLMT	91	systolic mitral 1=No, 2=Yes, 3=Refused
DIASTAO	92	diastolic aortic 1=No, 2=Yes, 3=Refused
DIASTPU	93	diastolic pulmonic 1=No, 2=Yes, 3=Refused
DIASTAP	94	diastolic apex 1=No, 2=Yes, 3=Refused
DIASTMT	95	diastolic mitral 1=No, 2=Yes, 3=Refused
HEARTCOM	96	heart comment 1=No, 2=Yes, 3=Refused



The C2FORM3B.DAT data file contains data from Cycle 2 Physical Exam FORM 3B which includes Physical Examination (part 2).

File Format:

VARIABLE	COLUMN	COMMENT
-----	-----	-----
SEQNO	1-5	subject ID
ABDOMEN	6	abdomen normal 1=Normal, 2=Abnormal, 3=Refused
HEPTOM	7	hepatomegaly 1=No, 2=Yes, 3=Refused
SPENOM	8	splenomegaly 1=No, 2=Yes, 3=Refused
TENDERL	9	liver tenderness 1=No, 2=Yes, 3=Refused
TENDERS	10	spleen tenderness 1=No, 2=Yes, 3=Refused
TENDERO	11	other tenderness 1=No, 2=Yes, 3=Refused
OTHRMASS	12	other mass 1=No, 2=Yes, 3=Refused
WAIST	13-15	waist measurement (cm) 999=Missing
LIVERSPN	16-17	liver span (cm) 99=Missing
ADOMCOM	18	abdomen comments 1=No, 2=Yes, 3=Refused
EXTREMTS	19	extremities normal 1=Normal, 2=Abnormal, 3=Refused
PIEDEMA	20	pitting edema 1=No, 2=Yes, 3=Refused, 9=Missing
NPITEDEM	21	non-pitting edema 1=No, 2=Yes, 3=Refused, 9=Missing
ABSENCE	22	absence/amputation 1=No, 2=Yes, 3=Refused, 9=Missing
CLUBNAIL	23	clubbing of nails 1=No, 2=Yes, 3=Refused
VARICOS	24	varicosities 1=No, 2=Yes, 3=Refused, 9=Missing
LHAIRLOS	25	loss of hair on toes - right 1=No, 2=Yes, 3=Refused
RHAIRLOS	26	loss of hair on toes - left 1=No, 2=Yes, 3=Refused
EXTRMCOM	27	extremities comment 1=No, 2=Yes, 3=Refused
RADIAL	28	radial pulse 1=Normal, 3=Refused, 4=Diminished, 5=Absent
FEMORAL	29	femoral pulse 1=Normal, 3=Refused, 4=Diminished, 5=Absent
POPLITAL	30	popliteal pulse 1=Normal, 3=Refused, 4=Diminished, 5=Absent
DORSALS	31	dorsalis pedis pulse 1=Normal, 3=Refused, 4=Diminished, 5=Absent
POSTEROR	32	posterior tibial pulse 1=Normal, 3=Refused, 4=Diminished, 5=Absent

VARIABLE	COLUMN	COMMENT
PHYSCOM	33	physical exam comments 1=No, 2=Yes
MUSCSKEL	34	musculoskeletal normal 1=Normal, 2=Abnormal, 3=Refused
SPINSLR	35	straight leg raising 1=Normal, 2=Abnormal, 3=Refused
MUSCWK	36	muscle weakness 1=Absent, 2=Present, 3=Refused
MUSCTEND	37	muscle tenderness 1=Absent, 2=Present, 3=Refused
MUSCATRO	38	muscle atrophy 1=Absent, 2=Present, 3=Refused
MUSCABNR	39	muscle abnormality 1=Absent, 2=Present, 3=Refused
SPINSCOL	40	spinal scoliosis 1=Absent, 2=Present, 3=Refused
SPINKYPH	41	spine kyphosis 1=Absent, 2=Present, 3=Refused
PELVTILT	42	pelvic tilt 1=Absent, 2=Present, 3=Refused
SPINRNGM	43	spine decreased range of motion 1=Absent, 2=Present, 3=Refused
SPINTEND	44	spine tenderness 1=Absent, 2=Present, 3=Refused
TENDLEVL	45-46	spine tenderness level 0=Not tender, 4=Cervical, 5=Thoracic, 6=Lumbar, 7=Sacral, 11=Cervical + Lumbar, 13=Thoracic + Lumbar, 33=Refused
SPINCOM	47	spine comment 1=No, 2=Yes, 3=Refused
GENTRYN	48	genitourinary normal 1=Normal, 2=Abnormal, 3=Refused
RHERNIA	49	right inguinal hernia 1=No, 2=Yes, 3=Refused
LHERNIA	50	left inguinal hernia 1=No, 2=Yes, 3=Refused
VARICOCL	51	varicocele 1=No, 2=Yes, 3=Refused, 9=Missing
HEMOROID	52	hemorrhoids 1=No, 2=Yes, 3=Refused, 9=Missing
PROSTAT	53	prostatic enlargement 1=No, 2=Yes, 3=Refused, 9=Missing
EPIDIDYM	54	epididymis 1=No, 2=Yes, 3=Refused
RECTALMS	55	rectal mass 1=No, 2=Yes, 3=Refused, 9=Missing
SCROTMS	56	scrotal mass 1=No, 2=Yes, 3=Refused, 9=Missing
SCROTDIA	57	scrotal mass diameter (cm) 0=No mass, 9=Missing
LTESTES	58	left testes 1=Normal, 3=Refused, 4=Absent, 5=Enlarged, 6=Atrophic, 7=Rock hard, 9=Missing
RTESTES	59	right testes 1=Normal, 3=Refused, 4=Absent, 5=Enlarged, 6=Atrophic

VARIABLE	COLUMN	COMMENT
-----	-----	-----
GENTCOM	60	genitourinary comment 1=No, 2=Yes, 3=Refused
LYMPH	61	lymph nodes normal 1=Normal, 2=Abnormal, 3=Refused
TESTORD	62	other tests ordered 1=No, 2=Yes, 3=Refused
TESTDES	63	other test description 1=No, 2=Yes, 3=Refused
CERVICAL	64-65	cervical lymph nodes 1=Non-palpable, 4=Enlarged, 5=Tender, 33=Refused, 99=Missing
OCIPITAL	66-67	occipital lymph nodes 1=Non-palpable, 4=Enlarged, 33=Refused
SUPRACLA	68-69	supraclavicular lymph nodes 1=Non-palpable, 4=Enlarged, 33=Refused
AXILLARY	70-71	axillary lymph nodes 1=Non-palpable, 4=Enlarged, 5=Tender, 7=Fixed, 33=Refused
EPITROCH	72-73	epitrochlear lymph nodes 1=Non-palpable, 4=Enlarged, 33=Refused
INGUINAL	74-75	inguinal lymph nodes 1=Non-palpable, 4=Enlarged, 10=Tender + Hard, 33=Refused
FEMOR	76-77	femoral lymph nodes 1=Non-palpable, 4=Enlarged, 33=Refused

C2FORM4.DAT contains data from Cycle 2 Physical Exam FORM 4  
Dermatologic Exam.

File format:

VARIABLE	COLUMN	COMMENT
-----	-----	-----
SEQNO	1-5	subject ID
REFUSDRM	6	refused dermatologic exam
COMEDOME	7	comedones
ACNELES	8	acneiform lesions
ACNEscar	9	acneiform scars
DEPIGMENT	10	depigmentation
INCLCYST	11	inclusion cysts
CUTRHOMB	12	cutis rhomboidalis
HYPRPIG	13	hyperpigmentation
JAUNDICE	14	jaundice
SPIDANGI	15	spider angiomas
PALMERYT	16	palmar erythema
SUSMELAN	17	suspected melanoma
PALMKERA	18	palmar keratoses
ACTIKERA	19	actinic keratoses
PETECHIA	20	petechiae
ECCHYMOS	21	ecchymoses
CONJUNCT	22	conjunctival abnormality
ORALMUS	23	oral mucosal abnormality
FINGNAIL	24	finger nail abnormality
TOENAILS	25	toe nail abnormality
DERMATOG	26	dermatographia
SUSBASEL	27	suspected basal cell carcinoma
SUSSQUAM	28	suspected squamous cell carcinoma
SKINBIOP	29	skin biopsy performed
CONSENT	30	was a consent form obtained?

Notes: All variables have following values:

1 = No  
2 = Yes  
3 = Refused

The C2FORM5.DAT data file contains data from Cycle 2 Physical Exam FORM 5 which includes Neurological Examination.

File Format:

VARIABLE	COLUMN	COMMENT
-----	-----	-----
SEQNO	1-5	subject ID
HEADNECK	6	head and neck normal 1=Yes, 2=No
ASSYMMT	7	asymmetry 1=No, 2=Yes
DEPRESSN	8	depression 1=No, 2=Yes
SCAR	9	scar 1=No, 2=Yes
RNGMOTON	10	neck range of motion normal 1=Normal, 2=Abnormal
DECREASL	11	neck range decreased left 1=No, 2=Yes
DECREASR	12	neck range decreased right 1=No, 2=Yes
DECREASF	13	neck range decreased forward 1=No, 2=Yes
DECREASB	14	neck range decreased backward 1=No, 2=Yes
HANDED	15	handedness L=Left, R=Right, B=Both
GAIT	16	gait normal 1=Normal, 2=Abnormal, 9=Missing
BRDBASED	17	gait broad based 1=No, 2=Yes, 9=Missing
SMLSTEP	18	gait small stepped 1=No, 2=Yes, 9=Missing
ATAXIC	19	gait ataxic 1=No, 2=Yes, 9=Missing
G_OTHER	20	gait other comment 1=No, 2=Yes, 9=Missing
ARMSWING	21	arm swing normal 1=Normal, 4=Abnormal left, 5=Abnormal right, 6=Both abnormal left and right, 9=Missing
MUSBULK	22	muscle bulk 1=Normal, 2=Abnormal
TONEUP	23-24	upper extremities tone 1=Normal, 8=Right increased, 10=Both increased
TONELOW	25-26	lower extremities tone 1=Normal, 4=Left decreased, 5=Right decreased, 7=Left increased, 8=Right increased, 10=Both increased
STRENGTH	27	wrist extensor strength 1=Normal, 4=Left decreased, 5=Right decreased
ANKFLEX	28	ankle/toe flexor strength 1=Normal, 4=Left decreased, 5=Right decreased, 6=Both decreased, 9=Missing
PROXDILT	29	proximal deltoid strength 1=Normal, 4=Left decreased, 5=Right decreased, 6=Both decreased

VARIABLE	COLUMN	COMMENT
-----	-----	-----
HIPFLEX	30	hip flexor strength 1=Normal, 4=Left decreased, 5=Right decreased, 6=Both decreased
TICS	31	tics, choreas, fasciculations 1=No, 2=Yes
TICLEV	32	tic level
TENDER	33	tenderness 1=No, 2=Yes
TENDLEV	34	tenderness level
TREMOR	35	tremor 1=No, 2=Yes
TREMLL	36-37	tremor lower left 1=Normal, 4=Resting, 5=Essential, 33=Refused, 99=Missing
TREMUL	38-39	tremor upper left 1=Normal, 4=Resting, 5=Essential, 6=Intention, 8=Resting and Intention, 10=Essential and Intention, 99=Missing
TREMLR	40-41	tremor lower right 1=Normal, 4=Resting, 5=Essential, 99=Missing
TREMUR	42-43	tremor upper right 1=Normal, 4=Resting, 5=Essential, 6=Intention, 8=Resting and Intention, 10=Essential and Intention, 99=Missing
TREM_OTH	44	other tremors 1=No, 2=Yes
COORD	45	coordination 1=Not refused
EQUILIB	46	equilibratory - romberg 1=Normal, 2=Abnormal, 9=Missing
FINGNOSE	47	finger - nose - finger 1=Normal, 4=Left abnormal, 5=Right abnormal, 6=Both abnormal, 9=Missing
HEELKNEE	48	heel - knee - shin 1=Normal, 4=Left abnormal, 5=Right abnormal, 6=Both abnormal, 9=Missing
HANDTURN	49	pronation/supination of hands 1=Normal, 4=Left abnormal, 5=Right abnormal, 6=Both abnormal, 9=Missing
PAT	50	rapid patting 1=Normal, 4=Left abnormal, 5=Right abnormal, 6=Both abnormal, 9=Missing
LBICEPS	51	left bicep reflex 1=Active, 4=Sluggish, 5=Absent, 6=Very active, 7=Transient clonus
RBICEPS	52	right bicep reflex 1=Active, 4=Sluggish, 5=Absent, 6=Very active, 7=Transient clonus
LTRICEPS	53	left tricep reflex 1=Active, 4=Sluggish, 5=Absent, 6=Very active, 7=Transient clonus

VARIABLE -----	COLUMN -----	COMMENT -----
RTRICEPS	54	right tricep reflex 1=Active, 4=Sluggish, 5=Absent, 6=Very active, 7=Transient clonus
LPATELL	55	left patellar reflex 1=Active, 3=Refused, 4=Sluggish, 5=Absent, 6=Very active, 7=Transient clonus, 8=Sustained clonus, 9=Missing
RPATELL	56	right patellar reflex 1=Active, 4=Sluggish, 5=Absent, 6=Very active, 7=Transient clonus, 8=Sustained clonus
LACHILL	57	left achilles reflex 1=Active, 3=Refused, 4=Sluggish, 5=Absent, 6=Very active, 7=Transient clonus, 8=Sustained clonus, 9=Missing
RACHILL	58	right achilles reflex 1=Active, 3=Refused, 4=Sluggish, 5=Absent, 6=Very active, 7=Transient clonus, 8=Sustained clonus, 9=Missing
LBABINSK	59	left babinski reflex 1=Absent, 2=Present, 3=Refused, 9=Missing
RBABINSK	60	right babinski reflex 1=Absent, 2=Present, 3=Refused, 9=Missing
SPEECH	61	speech normal 1=Normal, 2=Abnormal, 9=Missing
SPEECH_T	62	speech abnormality 1=Normal, 4=Dysarthria, 5=Aphasia, 9=Missing
LEGUP	63	straight leg raising 1=Normal, 4=Left abnormal, 5=Right abnormal, 6=Both abnormal
TOUCH	64	light touch 1=Normal, 4=Left abnormal, 5=Right abnormal, 6=Both abnormal
PINPRIC	65	pin prick 1=Normal, 4=Left abnormal, 5=Right abnormal, 6=Both abnormal
ANKVIB	66	vibration at ankle (128 HZ) 1=Normal, 4=Left abnormal, 5=Right abnormal, 6=Both abnormal
TOEPOSE	67	great toe position 1=Normal, 4=Left abnormal, 5=Right abnormal, 6=Both abnormal
MENINCOM	68	meningeal/sensory comment 1=No, 2=Yes
LSMELL	69	left sense of smell 1=Present, 2=Absent
RSMELL	70	right sense of smell 1=Present, 2=Absent
LFUNDUS	71	left fundus 1=Normal, 2=Abnormal
RFUNDUS	72	right fundus 1=Normal, 2=Abnormal
DISKPAL	73	disk pallor 1=Normal, 4=Left abnormal, right normal, 5=Left normal, right abnormal, 7=Left normal, right not tested, 8=Right normal, left not tested

VARIABLE	COLUMN	COMMENT
-----	-----	-----
EXUDATE	74	exudate 1=Normal, 4=Left abnormal, right normal, 6=Both left & right abnormal, 7=Left normal, right not tested, 8=Right normal, left not tested
PAPILLA	75	papilledema 1=Normal, 7=Left normal, right not tested, 8=Right normal, left not tested
HEMMOR	76	hemorrhage 1=Normal, 4=Left abnormal, right normal, 6=Both left & right abnormal, 7=Left normal, right not tested, 8=Right normal, left not tested
LFIELDS	77	left fields 1=Normal, 2=Abnormal
RFIELDS	78	right fields 1=Normal, 2=Abnormal
PUPILEQ	79	pupils equal size 1=Equal, 2=Unequal, 3=Refused, 9=Missing
PUPDIFF	80	pupils difference 9=Missing
LEYEMOVE	81	left eye movement 1=Normal, 2=Abnormal
REYEMOVE	82	right eye movement 1=Normal, 2=Abnormal
LNYSTAG	83	left nystagmus 1=Absent, 6=Horizontal, 9=Missing
RNYSTAG	84	right nystagmus 1=Absent, 6=Horizontal, 9=Missing
LPTOSIS	85	left ptosis 1=Normal, 2=Present and Abnormal, 4=Present
RPTOSIS	86	right ptosis 1=Normal, 2=Present and Abnormal, 4=Present, 5=Abnormal
LPUPSHP	87	left pupil shape 1=Round, 2=Other
RPUPSHP	88	right pupil shape 1=Round, 2=Other, 3=Refused
L_LTRX	89	left light reaction 1=Normal, 2=Abnormal, 9=Missing
R_LTRX	90	right light reaction 1=Normal, 2=Abnormal, 3=Refused, 9=Missing
LEYEPOS	91	left eyeball position 1=Normal, 2=Abnormal
REYEPOS	92	right eyeball position 1=Normal, 2=Abnormal
LJAW	93	left jaw clench 1=Symmetric, 2=Deviated
RJAW	94	right jaw clench 1=Symmetric, 2=Deviated
LSENSORY	95	left sensory 1=Normal, 4=V1 abnormal, 6=V3 abnormal, 7=V2 & V3 abnormal, 8=V1 & V2 abnormal, 9=Missing



VARIABLE	COLUMN	COMMENT
-----	-----	-----
RSENSORY	96	right sensory 1=Normal, 6=V3 abnormal, 9=Missing
L_CORNRX	97	left corneal reflex 1=Normal, 3=Contacts not removed, 9=Missing
R_CORNRX	98	right corneal reflex 1=Normal, 3=Contacts not removed, 9=Missing
LSMILE	99	left smile 1=Normal, 2=Abnormal
RSMILE	100	right smile 1=Normal, 2=Abnormal
LPALPFIS	101	left palpebral fissure 1=Normal, 2=Abnormal, 9=Missing
RPALPFIS	102	right palpebral fissure 1=Normal, 2=Abnormal, 9=Missing
UVULA	103	uvula movement 1=Normal, 4=Deviated to left
LPALRX	104	left palatal reflex 1=Normal, 2=Abnormal, 9=Missing
RPALRX	105	right palatal reflex 1=Normal, 2=Abnormal, 9=Missing
TONG_POS	106	tongue protruded in midline 1=Yes, 2=No, 9=Missing
TONGSIZE	107	tongue atrophy 1=No, 2=Yes, 9=Missing
BEHAVIOR	108	mental status/behavior 1=No, 2=Yes

The C2FORM6.DAT data file contains data from Cycle 2 Physical Exam FORM 6 which includes Halstead Neuropsychological Test Battery.

File Format:

VARIABLE	COLUMN	COMMENT
-----	-----	-----
SEQNO	1-5	subject ID
IMPAIRME	6-8	impairment index 3.3=Refused, 9.9=Missing
TRAILSA	9-11	trails A test 999=Missing
TRAILSB	12-14	trails B test 999=Missing
LMEMI	15-16	logical memory immediate 33=Refused, 99=Missing
LMEMDEL	17-18	logical memory delay 33=Refused, 99=Missing
DMEMI	19-20	design memory immediate 99=Missing
DMEMDEL	21-22	design memory delay 33=Refused, 99=Missing
CAT1	23	category 1 9=Missing
CAT2	24-25	category 2 99=Missing
CAT3	26-27	category 3 99=Missing
CAT4	28-29	category 4 99=Missing
CAT5	30-31	category 5 99=Missing
CAT6	32-33	category 6 99=Missing
CAT7	34-35	category 7 99=Missing
CATTOTAL	36-38	category total 999=Missing
TPTDOM	39-42	TPT dominant 99.9=Missing or 9999=Missing
TPTNON	43-46	TPT nondominant 99.9=Missing or 9999=Missing
TPTBOTH	47-50	TPT both 99.9=Missing or 9999=Missing
MEMORY	51-52	TPT memory 33=Refused, 99=Missing
LOC	53-54	location 33=Refused, 99=Missing
SSRHYTHM	55-56	sea shore rhythm 99=Missing
SSRANK	57-58	sea shore rank 33=Refused, 99=Missing
SPEECHPN	59-60	speech perception 99=Missing
GRIPDOM	61-62	grip dominant 99=Missing
GRIPNON	63-64	grip nondominant 99=Missing
TAPDOM	65-66	tapping dominant 99=Missing
TAPNON	67-68	tapping nondominant 99=Missing
DOMINENT	69	dominant 9=Missing, L=Left, R=Right

C2FORM8.DAT contains data from Cycle 2 Physical Exam FORM 8  
'Vietnam Combat Index'.

File format:

VARIABLE	COLUMN	COMMENT
-----	-----	-----
SEQNO	1-5	subject ID
CREWMEM	6	crew member
F4	7	flew in F-4 aircraft
F5	8	flew in F-5 aircraft
F105	9	flew in F-105 aircraft
B52	10	flew in B-52 aircraft
B66	11	flew in B-66 aircraft
C7	12	flew in C-7 aircraft
C54	13	flew in C-54 aircraft
C118	14	flew in C-118 aircraft
C123	15	flew in C-123 aircraft
C130	16	flew in C-130 aircraft
C130GUN	17	flew in C-130 gunship
HELIGUN	18	flew in helicopter gunship
OTHER	19	flew in other aircraft
COMBTPAY	20	received combat pay
CRASHED	21	crash landed
RECD FIRE	22	received sniper fire
MOVEDEAD	23	moved injured personnel
FAC	24	served as forward air controller
AIRKILL	25	fellow crewmember killed
FORMKILL	26	fellow sortie member killed
BATTLDAM	27	received battle damage
RECARTEL	28	received artillery fire
MINES	29	encountered mines
KILLDNVA	30	killed VC or NVC
WOUNDED	31	wounded in action
FRNDKILL	32	friend killed in action
FIREFGHT	33	engaged in fire fight
CAPTURED	34	captured by enemy

Note: All variables have following values,

1=No  
2=Yes  
3=Refused  
9=Missing

C2FORM10.DAT contains data from Cycle 2 Physical Exam  
FORM 10 Electrocardiogram (ECG) TEST.

File format:

VARIABLE	COLUMN	COMMENT
-----	-----	-----
SEQNO	1-5	subject ID
ECG	6	summary ECG results; 1=normal,2=abnormal
FOLLOWUP	7	follow-up recommended; F=no,T=yes
E_TOTAL	8	sum of primary ECG abnormalities; 0-5
ECG_TYPE	9-18	type codes for anomalies; see attached code sheets
EFASTING	19	participant comply with 4-hour fast; 1=yes,2=no,9=missing
RBBB	20	right bundle branch block; N,Y
LBBB	21	left bundle branch block; N,Y
T_WAVE	22	non-specific T_wave changes; N,Y
TACHY	23	tachycardia; N,Y
BRADY	24	bradycardia; N,Y
LAD	25	left axis deviation; N,Y
MSD	26	minimal segment depression; N,Y
LVH	27	left ventricle hypertrophy; N,Y
PRIOR_MI	28	prior myocardial infarction; N,Y
WPW	29	wolfe-parkinson white; N,Y
AV_BLOCK	30	atrioventricular block; N,Y
ARRHYTHM	31	arrhythmia normal; N,Y
ARR_TYPE	32-33	arrhythmia abnormal type; see attached code sheets
LAH	34	left anterior hemiblock; N,Y
RVCD	35	right ventricular conduction delay; N,Y
E_RP	36	early repolarization; N,Y
LAC	37	left atrial conduction abnormality; N,Y
SEPT_H	38	septal hypertrophy; N,Y
LA_FB	39	left anterior fascicular block; N,Y
BF_B	40	bifascicular block; N,Y
ECGOTHER	41	anomaly noted; N,Y
ST_SEG	42	st segment abnormality; N,Y
UNCLASS	43	anomaly interpretation; N,Y
ECGCOMM	44	ECG comments/recommendation? 1=no,2=yes

AIR FORCE HEALTH STUDY (PHASE B) ELECTROCARDIOGRAM ECG\_TYPE CODING INSTRUCTIONS

OVER 45 DIFFERENT ANOMALIES OR ABNORMALITIES WERE DIAGNOSED DURING THE ELECTROCARDIOGRAM EXAMINATIONS CONDUCTED FOR THE 2309 AFHS STUDY PARTICIPANTS. EACH ANOMALY DIAGNOSED MORE THAN ONCE WAS ASSIGNED A UNIQUE TWO DIGIT ANOMALY TYPE CODE. THE CODES USED ARE CONTAINED IN THE AFHS ECG CODING DICTIONARY.

THE MAXIMUM NUMBER OF ANOMALIES OBSERVED ON A SINGLE EXAM WAS FIVE. A CODING SCHEMA TO ENABLE ANALYSIS OF ALL OCCURRENCES OF A SINGLE ANOMALY AS WELL AS A METHOD FOR ANALYZING VARIOUS COMBINATIONS OF UP TO FIVE DIFFERENT ANOMALIES WAS DEVELOPED USING A COMBINATION OF UNIQUE ANOMALY DATA FIELDS AND THE ECG\_TYPE DATA FIELD.

THE FOLLOWING DATA ARE RECORDED FOR EACH EXAMINATION :

DATA FIELD	DATA MEANING	RANGE OF VALUES
ECG	SUMMARY OF EXAM RESULTS AS CALLED BY THE EXAMINING CARDIOLOGIST	01 = NORMAL 02 = ABNORMAL
E_TOTAL	TOTAL # OF ANOMALIES NOTED	0 = NO ANOMALIES NOTED 1-5 = 1 TO 5 ANOMALIES NOTED
ECG_TYPE	COMPOSIT OF ANOMALIES NOTED	ECG1 01 - 97 NORMAL TO WPW ECG2 00 - 97 NONE TO WPW ECG3 00 - 97 NONE TO WPW ECG4 00 - 97 NONE TO WPW ECG5 00 - 97 NONE TO WPW

EACH SET OF ABNORMALITIES IS ORGANIZED ALPHABETICALLY, WITH THE EXCEPTION OF THE "ECG\_OTHER" ANOMALY WHICH IS ALWAYS LISTED LAST AND IS CODED AS 05. THE RESULTS FOR EACH EXAM ARE SUMMARIZED USING THE ECG FIELD AND CODED INTO THE E\_TOTAL AND ECG\_TYPE FIELDS USING THE CODE FORMAT N1122334455.

N IS THE TOTAL NUMBER OF ANOMALIES PRESENT AND IS CODED INTO THE FIELD E\_TOTAL.

WITHIN THE ECG\_TYPE FIELD THE FORMAT POSITIONS 11, 22, 33, 44 AND 55 ARE RESERVED FOR THE INDIVIDUAL ANOMALY CODES OF THE FIRST, SECOND, THIRD, FOURTH AND FIFTH ANOMALIES RESPECTIVELY. THE FIRST POSITION IS ALWAYS USED TO INDICATE A LACK OF ANOMALIES OR THE IDENTITY OF THE FIRST ANOMALY. A LACK OF ANOMALIES IS CODED AS "01" WHILE THE PRESENCE OF ANY ANOMALIES ARE CODED USING THE APPROPRIATE ANOMALY TYPE CODES "05-97". THE SECOND THROUGH FIFTH POSITIONS ARE EITHER FILLED WITH ZEROS TO INDICATE THAT NO FURTHER ANOMALIES WERE NOTED OR WITH THE APPROPRIATE ANOMALY CODES ARRANGED IN THE ALPHABETICALLY ASSIGNED NUMERIC ORDERS.

THUS IF NO ANOMALIES WERE NOTED THEN POSITION 11 IS CODED AS 01 WHILE POSITIONS 22-55 ARE FILLED WITH ZEROS SO THE ECG\_TYPE VALUE WOULD BE "010000000000". IF A SINGLE ANOMALY WAS NOTED THEN POSITION 11 IS CODED WITH THE ECG\_TYPE CODE RESERVED FOR THE ANOMALY AND THE POSITIONS 22,33,44, and 55 ARE FILLED WITH ZEROS. THUS FOR THE ANOMALY TRACHYCARDIA THE ECG\_TYPE CODE WOULD BE "950000000000". FOR THE COMBINED OBSERVATION OF A WOLFE PARKINSON-WHITE ANOMALY, AN EARLY REPOLARIZATION, A BRADYCARDIA, AND AN OTHER ANOMALY THE ECG\_TYPE CODE WOULD BE ALPHABETICALLY ARRANGED AS : "2530970500" WITH THE OTHER ANOMALY LISTED LAST.

AIR FORCE HEALTH STUDY (PHASE B) ELECTROCARDIOGRAM CODING DICTIONARY

ECG_TYPE CODE	NUMONIC OR DB FIELD	ANOMALY OR ABNORMALITY DESCRIPTION
01	NRN	NORMAL EXAM NO ANOMALY NOTED
05	OTH	OTHER TYPE OF ANOMALY NOT LISTED BELOW
06	UND	UNDECIPHERABLE OR UNDESCRIBED ANOMALY
10	ARRHYTHM	ARRHYTHMIA
15	AV_BLOCK	ATRIOVENTRICULAR BLOCK
20	BF_B	BIFASCICULAR BLOCK
25	BRADY	BRADYCARDIA
30	E_RP	EARLY REPOLARIZATION
35	LAC	LEFT ATRIAL CONDUCTION ABNORMALITY
40	LAD	LEFT AXIS DEVIATION
45	LA_FB	LEFT ANTERIOR FASCICULAR BLOCK
50	LAH	LEFT ANTERIOR HEMIBLOCK
55	LBBB	LEFT BUNDLE BRANCH BLOCK
60	LVH	LEFT VENTRICLE HYPERTROPHY
65	PRIOR_MI	MYOCARDIAL INFARCTION
70	MSD	MINOR SEGMENT DEPRESSION
75	RBBB	RIGHT BUNDLE BRANCH BLOCK
80	RVCD	RIGHT VENTRICULAR CONDUCTION DELAY
85	SEPT_H	SEPTAL HYPERTROPHY
90	ST_SEG	ST SEGMENT CONFIGURATION
95	TACHY	TACHYCARDIA
96	T_WAVE	NONSPECIFIC T-WAVE CHANGES
97	WPW	WOLFE PARKINSON-WHITE

ARR_TYPE CODE	NUMONIC OR DB FIELD	ARRHYTHMIA DESCRIPTION
01	NRN	NORMAL EXAM NO ARRHYTHMIA NOTED
02		NOT USED
03		NOT USED
04	PVC	POST VENTRICULAR CONTRACTION, PREMATURE VENTRICULAR CONTRACTION, OR VENTRICULAR PREMATURE BEAT
05	PAC	PREMATURE ATRIAL CONTRACTION, OR PREMATURE ATRIAL BEATS
06	WAP	WANDERING ATRIAL PACEMAKER
07	OTH	OTHER TYPE OF ARRHYTHMIA NOT NOTED ABOVE
08		NOT USED
09		NOT USED
10	UND	UNDECIPHERABLE OR UNDESCRIBED ARRHYTHMIA

C2FORM11.DAT contains data from Cycle 2 Physical Exam FORM 11  
PA Chest X-Ray examination.

File format:

VARIABLE	COLUMN	COMMENT
-----	-----	-----
SEQNO	1-5	subject ID
XRAY	6-7	X-ray exam summary; 1=normal, 2=abnormal, 4=equivocal findings that require either additional studies or comparison to previous films, 33=refused
XRAYCOMM	8	X-ray comment; 1=no,2=yes,3=refused

C2DST.DAT contains data from Cycle 2 physical exam FORM 12  
'Delayed Skin Tests'.

File format:

VARIABLE	COLUMN	COMMENT
SEQNO	1-5	subject ID
TESTED	6	T=scheduled for skin tests, F=scheduled for immune tests
SKINTEST	7	allergists summary; 1=normal, delayed hypersensitivity intact, 2=probably normal, 3=testing precluded by immune testing or refused, 4=abnormal, hypersensitivity not intact, 5=possibly allergic, 6=impairment noted, clinical cancellation required, 7=normal with medications noted, 8=abnormal with medications noted, 9=no form found, presumed to be immune tested
FOLLOWUP	8	T=suggested by allergist, F=not suggested by allergist
CMMNT	9	Comment; 1=no, 2=yes, 3=refused, 8=exempted from skin tests, 9=missing
CORIMM	10	corticosteroid/immunosuppressant med; 1=no, 2=yes, 8=exempted from skin tests, 9=missing
C24I1	11-13	candida 24 hr induration 1st
C24I2	14-16	candida 24 hr induration 2nd
C24I	17	reaction comment; see note 1
C24ITOT	18-23	sq_area of 24hr induration measurement
C24ISCR	24	score candida induration at 24 hrs; see note 2
C48I1	25-27	candida 48 hr induration 1st
C48I2	28-30	candida 48 hr induration 2nd
C48I	31	reaction comment; see note 1
C48ITOT	32-37	sq_area of 48hr induration measurement
C48ISCR	38	score candida induration at 48 hrs; see note 2
C24E1	39-41	candida 24 hr erythema 1st
C24E2	42-44	candida 24 hr erythema 2nd
C24E	45	reaction comment; see note 1
C24ETOT	46-51	sq_area of 24hr erythema measurement
C24ESCR	52	score candida erythema at 24 hrs; see note 2
C48E1	53-55	candida 48 hr erythema 1st
C48E2	56-58	candida 48 hr erythema 2nd
C48E	59	reaction comment; see note 1
C48ETOT	60-65	sq_area of 48hr erythema measurement
C48ESCR	66	score candida erythema at 48 hrs; see note 2
M24I1	67-69	mumps 24 hr induration 1st
M24I2	70-72	mumps 24 hr induration 2nd
M24I	73	reaction comment; see note 1
M24ITOT	74-79	sq_area of 24hr induration measurement
M24ISCR	80	score mumps induration at 24 hrs; see note 2
M48I1	81-83	mumps 48 hr induration 1st
M48I2	84-86	mumps 48 hr induration 2nd
M48I	87	reaction comment; see note 1
M48ITOT	88-93	sq_area of 48hr induration measurement
M48ISCR	94	score mumps induration at 48 hrs; see note 2



VARIABLE	COLUMN	COMMENT
M24E1	95-97	mumps 24 hr erythema 1st
M24E2	98-100	mumps 24 hr erythema 2nd
M24E	101	reaction comment; see note 1
M24ETOT	102-107	sq_area of 24hr erythema measurement
M24ESCR	108	score mumps erythema at 24 hrs; see note 2
M48E1	109-111	mumps 48 hr erythema 1st
M48E2	112-114	mumps 48 hr erythema 2nd
M48E	115	reaction comment; see note 1
M48ETOT	116-121	sq_area of 48hr erythema measurement
M48ESCR	122	score mumps erythema at 48 hrs; see note 2
T24I1	123-125	trichophyton 24hr induration 1st
T24I2	126-128	trichophyton 24hr induration 2nd
T24I	129	reaction comment; see note 1
T24ITOT	130-135	sq_area of 24hr induration measurement
T24ISCR	136	score trichophyton induration 24hrs; see note 2
T48I1	137-139	trichophyton 48hr induration 1st
T48I2	140-142	trichophyton 48hr induration 2nd
T48I	143	reaction comment; see note 1
T48ITOT	144-149	sq_area of 48hr induration measurement
T48ISCR	150	score trichophyton induration 48hrs; see note 2
T24E1	151-153	trichophyton 24hr erythema 1st
T24E2	154-156	trichophyton 24hr erythema 2nd
T24E	157	reaction comment; see note 1
T24ETOT	158-163	sq_area of 24hr erythema measurement
T24ESCR	164	score trichophyton erythema 24hrs; see note 2
T48E1	165-167	trichophyton 48hr erythema 1st
T48E2	168-170	trichophyton 48hr erythema 2nd
T48E	171	reaction comment; see note 1
T48ETOT	172-177	sq_area of 48hr erythema measurement
T48ESCR	178	score trichophyton erythema 48hrs; see note 2
S24I1	179-181	staph-phage-lysate 24hr induration 1st
S24I2	182-184	staph-phage-lysate 24hr induration 2nd
S24I	185	reaction comment; see note 1
S24ITOT	186-191	sq_area of 24hr induration measurement
S24ISCR	192	score staph-phage-lysate induration 24hrs; see note 2
S48I1	193-195	staph-phage-lysate 48hr induration 1st
S48I2	196-198	staph-phage-lysate 48hr induration 2nd
S48I	199	reaction comment; see note 1
S48ITOT	200-205	sq_area of 48hr induration measurement
S48ISCR	206	score staph-phage-lysate induration 48hrs; see note 2
S24E1	207-209	staph-phage-lysate 24hr erythema 1st
S24E2	210-212	staph-phage-lysate 24hr erythema 2nd
S24E	213	reaction comment; see note 1
S24ETOT	214-219	sq_area of 24hr erythema measurement
S24ESCR	220	score staph-phage-lysate erythema 24hrs; see note 2
S48E1	221-223	staph-phage-lysate 48hr erythema 1st
S48E2	224-226	staph-phage-lysate 48hr erythema 2nd
S48E	227	reaction comment; see note 1
S48ETOT	228-233	sq_area of 48hr erythema measurement

VARIABLE	COLUMN	COMMENT
-----	-----	-----
S48ESCR	234	score staph-phage-lysate erythema 48hrs; see note 2
RD24AT	235-238	time of reading 24 hr results
RD48AT	239-242	time of reading 48 hr results
SUM24HRI	243-244	sum of scores 24 hr induration; C24ISCR+M24ISCR+T24ISCR+S24ISCR
SUM48HRI	245-246	sum of scores 48 hr induration; C48ISCR+M48ISCR+T48ISCR+S48ISCR
SUM24HRE	247-248	sum of scores 24 hr erythema; C24ESCR+M24ESCR+T24ESCR+S24ESCR
SUM48HRE	249-250	sum of scores 48 hr erythema; C48ESCR+M48ESCR+T48ESCR+S48ESCR

Note 1: Codes for all antigen reaction comment variables are:

- 1 = no comment
- 4 = bruise
- 5 = very slight or very faint
- 6 = slight or faint
- 7 = visiculated
- 8 = 888
- 9 = 999

Note 2: Codes for all the score assigned:

Induration -

- 0 = <1
- 1 = 1-16
- 2 = 17-81
- 3 = 82-225
- 4 = > 225 and < 888
- 8 = 888
- 9 = 999

Erythema -

- 0 = <=25
- 1 = 26-81
- 2 = 82-196
- 3 = 197-399
- 4 = > 400 and < 888
- 8 = 888
- 9 = 999

Note 3: For all reading values,

- 888 = exempted from skin tests
- 999 = missing

C2VASCULAR.DAT contains data from Cycle 2 Physical Exam  
Vascular exam.

File format:

VARIABLE	COLUMN	COMMENT
SEQNO	1-5	subject ID
B3_STAT	6-8	pulse status from PE FORM3B; ABS=absent,DIM=diminished,NRM=normal
V_STATUS	9-11	vascular status; ABN=abnormal, LOS=lost form,NRM=normal,VAR=variable
VASCULAR	12-13	summary of overall exam; 1=normal, 2=abnormal,7=unable to test, 99=missing
L_VASCUL	14	left vascular summary; 1=normal, 2=abnormal,7=unable to test,9=missing
R_VASCUL	15	right vascular summary; 1=normal, 2=abnormal,7=unable to test,9=missing
VFASTING	16	fasting; 1=yes,2=no,9=missing
VAS_COMM	17	vascular comments; 1=no,2=yes, 9=missing
FOLLOWUP	18	follow up; F=no,T=yes
B3RADIAL	19	radial pulse from PE FORM3B; see note 1
R_RADIAL	20	right radial; see note 2
L_RADIAL	21	left radial; see note 2
B3FEMOR	22	femoral pulse from PE FORM3B; see note 1
R_FEMOR	23	right femoral; see note 2
L_FEMOR	24	left femoral; see note 2
B3POPLIT	25	popliteal from PE FORM3B; see note 1
R_POPLIT	26	right popliteal; see note 2
L_POPLIT	27	left popliteal; see note 2
B3POSTER	28	posterior pulse from PE FORM3B; see note 1
R_D_TIB	29	right posterior tibial; see note 2
L_D_TIB	30	left posterior tibial; see note 2
B3DORS	31	dorsals pulse from PE FORM3B; see note 1
R_D_PED	32	right dorsalis pedis; see note 2
L_D_PED	33	left dorsalis pedis; see note 2
A3PULSE	34	pulse from PE FORM3A; 1=regular, 4=irregular,5=irregularly irregular, 9=missing
A3PULRT	35-37	pulse rate from PE FORM3A;999=missing
A3SYSTOL	38-40	systolic blood pressure from PE FORM3A;999=missing
A3DIAST	41-43	diastolic blood pressure from PE FORM3A;999=missing

Note 1: 1=normal  
3=refused  
4=diminished  
5=absent

Note 2: 0-2=abnormal  
3=normal  
4=0+1  
5=0+2  
6=0+3  
7=unable to test  
9=missing

The C2FORMMMPI.DAT data file contains data from Cycle 2 Psychological Exam FORM - Minnesota Multiphasic Personality Inventory - MMPI.

The variables M001-M566 will contain one of the following values.

1=True  
2=False  
3=Refused  
8=Missing  
9=Missing

File Format:

VARIABLE	COLUMN	COMMENT
-----	-----	-----
SEQNO	1-5	subject ID
SEX	6	sex 1=Male, 9=Missing
SETTING	7	setting 1=Mental health outpatient, 3=Medical, 9=Missing
M001	8	question 1
M002	9	question 2
M003	10	question 3
M004	11	question 4
M005	12	question 5
M006	13	question 6
M007	14	question 7
M008	15	question 8
M009	16	question 9
M010	17	question 10
M011	18	question 11
M012	19	question 12
M013	20	question 13
M014	21	question 14
M015	22	question 15
M016	23	question 16
M017	24	question 17
M018	25	question 18
M019	26	question 19
M020	27	question 20
M021	28	question 21
M022	29	question 22
M023	30	question 23
M024	31	question 24
M025	32	question 25
M026	33	question 26
M027	34	question 27
M028	35	question 28
M029	36	question 29
M030	37	question 30
M031	38	question 31
M032	39	question 32
M033	40	question 33

VARIABLE	COLUMN	COMMENT
M034	41	question 34
M035	42	question 35
M036	43	question 36
M037	44	question 37
M038	45	question 38
M039	46	question 39
M040	47	question 40
M041	48	question 41
M042	49	question 42
M043	50	question 43
M044	51	question 44
M045	52	question 45
M046	53	question 46
M047	54	question 47
M048	55	question 48
M049	56	question 49
M050	57	question 50
M051	58	question 51
M052	59	question 52
M053	60	question 53
M054	61	question 54
M055	62	question 55
M056	63	question 56
M057	64	question 57
M058	65	question 58
M059	66	question 59
M060	67	question 60
M061	68	question 61
M062	69	question 62
M063	70	question 63
M064	71	question 64
M065	72	question 65
M066	73	question 66
M067	74	question 67
M068	75	question 68
M069	76	question 69
M070	77	question 70
M071	78	question 71
M072	79	question 72
M073	80	question 73
M074	81	question 74
M075	82	question 75
M076	83	question 76
M077	84	question 77
M078	85	question 78
M079	86	question 79
M080	87	question 80
M081	88	question 81
M082	89	question 82
M083	90	question 83
M084	91	question 84
M085	92	question 85
M086	93	question 86

VARIABLE	COLUMN	COMMENT
M087	94	question 87
M088	95	question 88
M089	96	question 89
M090	97	question 90
M091	98	question 91
M092	99	question 92
M093	100	question 93
M094	101	question 94
M095	102	question 95
M096	103	question 96
M097	104	question 97
M098	105	question 98
M099	106	question 99
M100	107	question 100
M101	108	question 101
M102	109	question 102
M103	110	question 103
M104	111	question 104
M105	112	question 105
M106	113	question 106
M107	114	question 107
M108	115	question 108
M109	116	question 109
M110	117	question 110
M111	118	question 111
M112	119	question 112
M113	120	question 113
M114	121	question 114
M115	122	question 115
M116	123	question 116
M117	124	question 117
M118	125	question 118
M119	126	question 119
M120	127	question 120
M121	128	question 121
M122	129	question 122
M123	130	question 123
M124	131	question 124
M125	132	question 125
M126	133	question 126
M127	134	question 127
M128	135	question 128
M129	136	question 129
M130	137	question 130
M131	138	question 131
M132	139	question 132
M133	140	question 133
M134	141	question 134
M135	142	question 135
M136	143	question 136
M137	144	question 137
M138	145	question 138
M139	146	question 139

VARIABLE	COLUMN	COMMENT
M140	147	question 140
M141	148	question 141
M142	149	question 142
M143	150	question 143
M144	151	question 144
M145	152	question 145
M146	153	question 146
M147	154	question 147
M148	155	question 148
M149	156	question 149
M150	157	question 150
M151	158	question 151
M152	159	question 152
M153	160	question 153
M154	161	question 154
M155	162	question 155
M156	163	question 156
M157	164	question 157
M158	165	question 158
M159	166	question 159
M160	167	question 160
M161	168	question 161
M162	169	question 162
M163	170	question 163
M164	171	question 164
M165	172	question 165
M166	173	question 166
M167	174	question 167
M168	175	question 168
M169	176	question 169
M170	177	question 170
M171	178	question 171
M172	179	question 172
M173	180	question 173
M174	181	question 174
M175	182	question 175
M176	183	question 176
M177	184	question 177
M178	185	question 178
M179	186	question 179
M180	187	question 180
M181	188	question 181
M182	189	question 182
M183	190	question 183
M184	191	question 184
M185	192	question 185
M186	193	question 186
M187	194	question 187
M188	195	question 188
M189	196	question 189
M190	197	question 190
M191	198	question 191
M192	199	question 192

VARIABLE	COLUMN	COMMENT
M193	200	question 193
M194	201	question 194
M195	202	question 195
M196	203	question 196
M197	204	question 197
M198	205	question 198
M199	206	question 199
M200	207	question 200
M201	208	question 201
M202	209	question 202
M203	210	question 203
M204	211	question 204
M205	212	question 205
M206	213	question 206
M207	214	question 207
M208	215	question 208
M209	216	question 209
M210	217	question 210
M211	218	question 211
M212	219	question 212
M213	220	question 213
M214	221	question 214
M215	222	question 215
M216	223	question 216
M217	224	question 217
M218	225	question 218
M219	226	question 219
M220	227	question 220
M221	228	question 221
M222	229	question 222
M223	230	question 223
M224	231	question 224
M225	232	question 225
M226	233	question 226
M227	234	question 227
M228	235	question 228
M229	236	question 229
M230	237	question 230
M231	238	question 231
M232	239	question 232
M233	240	question 233
M234	241	question 234
M235	242	question 235
M236	243	question 236
M237	244	question 237
M238	245	question 238
M239	246	question 239
M240	247	question 240
M241	248	question 241
M242	249	question 242
M243	250	question 243
M244	251	question 244
M245	252	question 245



VARIABLE	COLUMN	COMMENT
M246	253	question 246
M247	254	question 247
M248	255	question 248
M249	256	question 249
M250	257	question 250
M251	258	question 251
M252	259	question 252
M253	260	question 253
M254	261	question 254
M255	262	question 255
M256	263	question 256
M257	264	question 257
M258	265	question 258
M259	266	question 259
M260	267	question 260
M261	268	question 261
M262	269	question 262
M263	270	question 263
M264	271	question 264
M265	272	question 265
M266	273	question 266
M267	274	question 267
M268	275	question 268
M269	276	question 269
M270	277	question 270
M271	278	question 271
M272	279	question 272
M273	280	question 273
M274	281	question 274
M275	282	question 275
M276	283	question 276
M277	284	question 277
M278	285	question 278
M279	286	question 279
M280	287	question 280
M281	288	question 281
M282	289	question 282
M283	290	question 283
M284	291	question 284
M285	292	question 285
M286	293	question 286
M287	294	question 287
M288	295	question 288
M289	296	question 289
M290	297	question 290
M291	298	question 291
M292	299	question 292
M293	300	question 293
M294	301	question 294
M295	302	question 295
M296	303	question 296
M297	304	question 297
M298	305	question 298

VARIABLE	COLUMN	COMMENT
M299	306	question 299
M300	307	question 300
M301	308	question 301
M302	309	question 302
M303	310	question 303
M304	311	question 304
M305	312	question 305
M306	313	question 306
M307	314	question 307
M308	315	question 308
M309	316	question 309
M310	317	question 310
M311	318	question 311
M312	319	question 312
M313	320	question 313
M314	321	question 314
M315	322	question 315
M316	323	question 316
M317	324	question 317
M318	325	question 318
M319	326	question 319
M320	327	question 320
M321	328	question 321
M322	329	question 322
M323	330	question 323
M324	331	question 324
M325	332	question 325
M326	333	question 326
M327	334	question 327
M328	335	question 328
M329	336	question 329
M330	337	question 330
M331	338	question 331
M332	339	question 332
M333	340	question 333
M334	341	question 334
M335	342	question 335
M336	343	question 336
M337	344	question 337
M338	345	question 338
M339	346	question 339
M340	347	question 340
M341	348	question 341
M342	349	question 342
M343	350	question 343
M344	351	question 344
M345	352	question 345
M346	353	question 346
M347	354	question 347
M348	355	question 348
M349	356	question 349
M350	357	question 350
M351	358	question 351

VARIABLE	COLUMN	COMMENT
M352	359	question 352
M353	360	question 353
M354	361	question 354
M355	362	question 355
M356	363	question 356
M357	364	question 357
M358	365	question 358
M359	366	question 359
M360	367	question 360
M361	368	question 361
M362	369	question 362
M363	370	question 363
M364	371	question 364
M365	372	question 365
M366	373	question 366
M367	374	question 367
M368	375	question 368
M369	376	question 369
M370	377	question 370
M371	378	question 371
M372	379	question 372
M373	380	question 373
M374	381	question 374
M375	382	question 375
M376	383	question 376
M377	384	question 377
M378	385	question 378
M379	386	question 379
M380	387	question 380
M381	388	question 381
M382	389	question 382
M383	390	question 383
M384	391	question 384
M385	392	question 385
M386	393	question 386
M387	394	question 387
M388	395	question 388
M389	396	question 389
M390	397	question 390
M391	398	question 391
M392	399	question 392
M393	400	question 393
M394	401	question 394
M395	402	question 395
M396	403	question 396
M397	404	question 397
M398	405	question 398
M399	406	question 399
M400	407	question 400
M401	408	question 401
M402	409	question 402
M403	410	question 403
M404	411	question 404

VARIABLE	COLUMN	COMMENT
-----	-----	-----
M405	412	question 405
M406	413	question 406
M407	414	question 407
M408	415	question 408
M409	416	question 409
M410	417	question 410
M411	418	question 411
M412	419	question 412
M413	420	question 413
M414	421	question 414
M415	422	question 415
M416	423	question 416
M417	424	question 417
M418	425	question 418
M419	426	question 419
M420	427	question 420
M421	428	question 421
M422	429	question 422
M423	430	question 423
M424	431	question 424
M425	432	question 425
M426	433	question 426
M427	434	question 427
M428	435	question 428
M429	436	question 429
M430	437	question 430
M431	438	question 431
M432	439	question 432
M433	440	question 433
M434	441	question 434
M435	442	question 435
M436	443	question 436
M437	444	question 437
M438	445	question 438
M439	446	question 439
M440	447	question 440
M441	448	question 441
M442	449	question 442
M443	450	question 443
M444	451	question 444
M445	452	question 445
M446	453	question 446
M447	454	question 447
M448	455	question 448
M449	456	question 449
M450	457	question 450
M451	458	question 451
M452	459	question 452
M453	460	question 453
M454	461	question 454
M455	462	question 455
M456	463	question 456
M457	464	question 457

VARIABLE	COLUMN	COMMENT
-----	-----	-----
M458	465	question 458
M459	466	question 459
M460	467	question 460
M461	468	question 461
M462	469	question 462
M463	470	question 463
M464	471	question 464
M465	472	question 465
M466	473	question 466
M467	474	question 467
M468	475	question 468
M469	476	question 469
M470	477	question 470
M471	478	question 471
M472	479	question 472
M473	480	question 473
M474	481	question 474
M475	482	question 475
M476	483	question 476
M477	484	question 477
M478	485	question 478
M479	486	question 479
M480	487	question 480
M481	488	question 481
M482	489	question 482
M483	490	question 483
M484	491	question 484
M485	492	question 485
M486	493	question 486
M487	494	question 487
M488	495	question 488
M489	496	question 489
M490	497	question 490
M491	498	question 491
M492	499	question 492
M493	500	question 493
M494	501	question 494
M495	502	question 495
M496	503	question 496
M497	504	question 497
M498	505	question 498
M499	506	question 499
M500	507	question 500
M501	508	question 501
M502	509	question 502
M503	510	question 503
M504	511	question 504
M505	512	question 505
M506	513	question 506
M507	514	question 507
M508	515	question 508
M509	516	question 509
M510	517	question 510

VARIABLE	COLUMN	COMMENT
M511	518	question 511
M512	519	question 512
M513	520	question 513
M514	521	question 514
M515	522	question 515
M516	523	question 516
M517	524	question 517
M518	525	question 518
M519	526	question 519
M520	527	question 520
M521	528	question 521
M522	529	question 522
M523	530	question 523
M524	531	question 524
M525	532	question 525
M526	533	question 526
M527	534	question 527
M528	535	question 528
M529	536	question 529
M530	537	question 530
M531	538	question 531
M532	539	question 532
M533	540	question 533
M534	541	question 534
M535	542	question 535
M536	543	question 536
M537	544	question 537
M538	545	question 538
M539	546	question 539
M540	547	question 540
M541	548	question 541
M542	549	question 542
M543	550	question 543
M544	551	question 544
M545	552	question 545
M546	553	question 546
M547	554	question 547
M548	555	question 548
M549	556	question 549
M550	557	question 550
M551	558	question 551
M552	559	question 552
M553	560	question 553
M554	561	question 554
M555	562	question 555
M556	563	question 556
M557	564	question 557
M558	565	question 558
M559	566	question 559
M560	567	question 560
M561	568	question 561
M562	569	question 562
M563	570	question 563

VARIABLE	COLUMN	COMMENT
-----	-----	-----
M564	571	question 564
M565	572	question 565
M566	573	question 566

The C2FORMCMI.DAT data file contains data from Cycle 2 Psychological Exam FORM - Cornell Medical Index - CMI.

The variables C001-C195 will contain one of the following values.

1=Yes  
2=No  
3=Incorrectly Marked  
4=Incorrectly Marked  
5=Incorrectly Marked  
8=Missing  
9=Missing

File Format:

VARIABLE	COLUMN	COMMENT
-----	-----	-----
SEQNO	1-5	subject ID
C001	6	question 1
C002	7	question 2
C003	8	question 3
C004	9	question 4
C005	10	question 5
C006	11	question 6
C007	12	question 7
C008	13	question 8
C009	14	question 9
C010	15	question 10
C011	16	question 11
C012	17	question 12
C013	18	question 13
C014	19	question 14
C015	20	question 15
C016	21	question 16
C017	22	question 17
C018	23	question 18
C019	24	question 19
C020	25	question 20
C021	26	question 21
C022	27	question 22
C023	28	question 23
C024	29	question 24
C025	30	question 25
C026	31	question 26
C027	32	question 27
C028	33	question 28
C029	34	question 29
C030	35	question 30
C031	36	question 31
C032	37	question 32
C033	38	question 33
C034	39	question 34
C035	40	question 35
C036	41	question 36



VARIABLE	COLUMN	COMMENT
-----	-----	-----
C037	42	question 37
C038	43	question 38
C039	44	question 39
C040	45	question 40
C041	46	question 41
C042	47	question 42
C043	48	question 43
C044	49	question 44
C045	50	question 45
C046	51	question 46
C047	52	question 47
C048	53	question 48
C049	54	question 49
C050	55	question 50
C051	56	question 51
C052	57	question 52
C053	58	question 53
C054	59	question 54
C055	60	question 55
C056	61	question 56
C057	62	question 57
C058	63	question 58
C059	64	question 59
C060	65	question 60
C061	66	question 61
C062	67	question 62
C063	68	question 63
C064	69	question 64
C065	70	question 65
C066	71	question 66
C067	72	question 67
C068	73	question 68
C069	74	question 69
C070	75	question 70
C071	76	question 71
C072	77	question 72
C073	78	question 73
C074	79	question 74
C075	80	question 75
C076	81	question 76
C077	82	question 77
C078	83	question 78
C079	84	question 79
C080	85	question 80
C081	86	question 81
C082	87	question 82
C083	88	question 83
C084	89	question 84
C085	90	question 85
C086	91	question 86
C087	92	question 87
C088	93	question 88
C089	94	question 89

VARIABLE	COLUMN	COMMENT
-----	-----	-----
C090	95	question 90
C091	96	question 91
C092	97	question 92
C093	98	question 93
C094	99	question 94
C095	100	question 95
C096	101	question 96
C097	102	question 97
C098	103	question 98
C099	104	question 99
C100	105	question 100
C101	106	question 101
C102	107	question 102
C103	108	question 103
C104	109	question 104
C105	110	question 105
C106	111	question 106
C107	112	question 107
C108	113	question 108
C109	114	question 109
C110	115	question 110
C111	116	question 111
C112	117	question 112
C113	118	question 113
C114	119	question 114
C115	120	question 115
C116	121	question 116
C117	122	question 117
C118	123	question 118
C119	124	question 119
C120	125	question 120
C121	126	question 121
C122	127	question 122
C123	128	question 123
C124	129	question 124
C125	130	question 125
C126	131	question 126
C127	132	question 127
C128	133	question 128
C129	134	question 129
C130	135	question 130
C131	136	question 131
C132	137	question 132
C133	138	question 133
C134	139	question 134
C135	140	question 135
C136	141	question 136
C137	142	question 137
C138	143	question 138
C139	144	question 139
C140	145	question 140
C141	146	question 141
C142	147	question 142

VARIABLE	COLUMN	COMMENT
C143	148	question 143
C144	149	question 144
C145	150	question 145
C146	151	question 146
C147	152	question 147
C148	153	question 148
C149	154	question 149
C150	155	question 150
C151	156	question 151
C152	157	question 152
C153	158	question 153
C154	159	question 154
C155	160	question 155
C156	161	question 156
C157	162	question 157
C158	163	question 158
C159	164	question 159
C160	165	question 160
C161	166	question 161
C162	167	question 162
C163	168	question 163
C164	169	question 164
C165	170	question 165
C166	171	question 166
C167	172	question 167
C168	173	question 168
C169	174	question 169
C170	175	question 170
C171	176	question 171
C172	177	question 172
C173	178	question 173
C174	179	question 174
C175	180	question 175
C176	181	question 176
C177	182	question 177
C178	183	question 178
C179	184	question 179
C180	185	question 180
C181	186	question 181
C182	187	question 182
C183	188	question 183
C184	189	question 184
C185	190	question 185
C186	191	question 186
C187	192	question 187
C188	193	question 188
C189	194	question 189
C190	195	question 190
C191	196	question 191
C192	197	question 192
C193	198	question 193
C194	199	question 194
C195	200	question 195

The C2LABTST.DAT data file contains Laboratory Results from  
Cycle 2 Physical Exam.

File Format:

VARIABLE	COLUMN	COMMENT
-----	-----	-----
SEQNO	1-5	subject ID
DATE	6-11	laboratory test date (MMDDYY)
WBC	12-15	white blood cell count (K/cumm)
	16	blank
RBC	17-20	red blood cell count (M/cumm)
HGB	21-24	hemoglobin (gm/dl)
HCT	25-28	hematocrit (%)
MCV	29-33	Mean corpuscular volume (cu.micr)
MCH	34-37	Mean corp. hemoglobin (pg)
MCHC	38-41	Mean corp. hemoglobin conc. (gm/dl)
RDW	42-45	RDW (units)
PLT	46-48	platelet count (K/cumm)
SEG	49-50	seg cells (%)
BAND	51-52	differential band cells (%)
LYM	53-54	lymph cells (%)
MONO	55-56	monocytes (%)
EOS	57-58	eosinophil cells (%)
BASO	59	differential basophil cells (%)
HYPS	60	hypersegmented polys (%)
META	61	metamyelocytes (%)
MYEL	62	myelocytes (%)
PMYE	63	promyelocytes (%)
RL	64	reactive lymphs (%)
RCOM	65	red blood cell morphology
PCOM	66	platelets
AFESR	67-69	erythrocyte sedimentation rate (mm/Hr)
ASEG	70-74	absolute seg cells (K/cumm)
ABAN	75-79	absolute band cells (K/cumm)
ALYM	80-84	absolute lymph cells (K/cumm)
AMONO	85-88	absolute monocyte cells (K/cumm)
AEOS	89-92	absolute eosinophil cells (K/cumm)
ABAS	93-96	absolute basophil cells (K/cumm)
AHYP	97-100	hypersegmented polys (K/cumm)
AMET	101-104	metamyelocytes (K/cumm)
AMYE	105-108	myelocytes (K/cumm)
APRM	109-112	promyelocytes (K/cumm)
ARL	113-116	reactive lymphs (K/cumm)
NRBC	117	nucleated red blood cells
PTP	118-121	prothrombin time - patient (sec)
PRTCT	122-125	prothrombin time - control (sec)
UAPP	126	urine appearance (comm)
UASP	127-131	urine specific gravity
UAPH	132-134	urine PH (units)
UAPR	135	urine protein (+/-)
UAGL	136-139	urine glucose (g/dl)
UAKE	140	urine ketones (+/-)

VARIABLE	COLUMN	COMMENT
-----	-----	-----
UABI	141	urine bile (+/-)
UABL	142	urine hemoglobin (+/-)
UANI	143	urine nitrates (+/-)
UAUR	144-146	numeric version of XUAUR with "<2.0" set to 2.0
XUAUR	147-152	urobilinogen (EU/dl) [Contains some values of "<2.0" in field]
UACA	153	urine casts (/LPF)
UACR	154	urine crystals (/HPF)
UAWB	155	urine white blood cells (/HPF)
UARB	156	urine red blood cells (/HPF)
UAEP	157	urine epithelial cells (/HPF)
UABA	158	urine bacteria (/HPF)
UAMU	159	urine mucus (/HPF)
	160	blank
BUNA	161-162	blood urea nitrogen (BUN) (mg/dl)
GLUCA	163-165	glucose - fasting (mg/dl)
CHOLA	166-168	cholesterol (mg/dl)
HDLA	169-171	HDL cholesterol (mg/dl)
TRIGA	172-175	triglycerides (mg/dl)
SGOTA	176-178	serum glutamyl oxaloacetic transaminase (SGOT) (U/L)
SGPTA	179-181	serum glutamyl pyruvic transaminase (SGPT) (alanine aminotransferase) (ALT) (U/L)
GGTA	182-185	gamma glutamyl transpeptidase (gamma glutamyl transferase) (GGT) (U/L)
ALKA	186-188	alkaline phosphatase (U/L)
LDHA	189-191	lactic dehydrogenase (LDH) (U/L)
CPKA	192-195	creatine kinase (U/L)
TBILA	196-198	total bilirubin (mg/dl)
	199	blank
DBILA	200-202	direct bilirubin (mg/dl)
TPA	203-205	total protein (g/dl)
AFALB	206-208	albumin (g/dl)
AFAG1	209-211	alpha 1 globulin (g/dl)
AFAG2	212-214	alpha 2 globulin (g/dl)
AFBG	215-217	beta globulin (g/dl)
AFGG	218-220	gamma globulin (g/dl)
AF2HGL	221-223	2 hour post prandial glucose (mg/dl)
FSHR	224-227	numeric version of XFSHR with "<1.1" set to 1.1
XFSHR	228-233	follicle stimulating hormone (mIU/ml) [Contains some values of "<1.1" in field]
	234	blank
THYT3U	235-238	triiodothyronine T3 uptake (%)
THYT4	239-242	thyroxine T4 uptake (ug/dl)
THYTS	243-246	numeric version of XTHYTS with "<0.5" set to 0.5
XTHYTS	247-252	thyroid stimulating hormone (uIU/ml) [Contains some values of "<0.5" in field]
	253-262	blank
TEST	263-266	serum testosterone (ng/dl)
HBSB	267	hepatitis B surface antibody (+/-)
HBCQN	268	hepatitis B core absolute quantity
HBSG	269	hepatitis B surface antigen (+/-)
HBAG	270	hepatitis B surface antigen

VARIABLE	COLUMN	COMMENT
-----	-----	-----
AFCORT	271-274	initial cortisol (mcg/dl)
LHR	275-278	numeric version of XLHR with "<2.3" set to 2.3
XLHR	279-284	luteinizing hormone (mIU/ml) [Contains some values of "<2.3" in field]
	285	blank
AFCOR2	286-289	2 hour cortisol (mcg/dl)
RPR	290	rapid plasma reagin
AFRQ	291	rapid plasma reagin (titer)
IGG	292-295	immunoglobulin G (mg/dl)
IGA	296-299	numeric version of XIGA with "<7" set to 7
XIGA	300-305	immunoglobulin A (mg/dl) [Contains some values of "<7" in field]
IGM	306-308	immunoglobulin M (mg/dl)
PER	309-313	duration of collection (Hr)
VOL	314-317	urine volume (ml)
AFURO	318-321	numeric version of XAFURO with "<1" set to 1.0
XAFURO	322-327	uroporphyrins (mg/12 Hr) [Contains some values of "<1" in field]
AFHEPT	328-330	numeric version of XAFHEPT with "<1" set to 1.0
XAFHEPT	331-336	heptacarboxyporphyrins (mg/12 Hr) [Contains some values of "<1" in field]
AFHEXA	337-338	numeric version of XAFHEXA with "<1" set to 1.0
XAFHEXA	339-344	hexacarboxyporphyrins (mg/12 Hr) [Contains some values of "<1" in field]
AFPENT	345-347	numeric version of XAFPENT with "<1" set to 1.0
XAFPENT	348-353	pentacarboxyporphyrins (mg/12 Hr) [Contains some values of "<1" in field]
AFCOPR	354-356	coproporphyrins (mg/12Hr)
AFPORP	357-359	numeric version of XAFPORP with "<0.1" set to 0.1
XAFPORP	360-365	porphobilinogen (mg/12 Hr) [Contains some values of "<0.1" in field]

The C2IMMUNE.DAT data file contains all of the Mixed Lymphocyte RX (MLC), Cell Surface Markers (CMS), Killer Cell No Interferon (NKC/I), Killer Cell Interferon (NKC), Mitogen PHA Stimulate, and Mitogen Pokeweed Stimulation variables for the Cycle 2 physical exam in 1985. A sample of 1085 subjects were selected to receive these measurements.

Some data values included with the immunologic variables were identified in 1985 as being outliers (see page 19-19 of the 1985 report). Based on a record review of these outliers, some data values were excluded, but these are not identified in the data set.

File Format:

VARIABLE	COLUMN	COMMENT
-----	-----	-----
SEQNO	1-5	subject ID
DATE	6-11	laboratory test date
ML01	12-16	MLC - patient control (CPM#1)
ML02	17-21	MLC - patient control (CPM#2)
ML03	22-26	MLC - patient control (CPM#3)
ML04	27-31	MLC - patient control (CPM#4)
ML05	32-36	MLC - patient control (Mean CPM)
ML06	37-39	MLC - patient control (CV)
ML07	40-44	MLC - fresh stim. control (CPM#1)
ML08	45-49	MLC - fresh stim. control (CPM#2)
ML09	50-54	MLC - fresh stim. control (CPM#3)
ML10	55-59	MLC - fresh stim. control (CPM#4)
ML11	60-64	MLC - fresh stim. control (Mean CPM)
ML12	65-67	MLC - fresh stim. control (CV)
ML13	68-72	MLC - frozen stim. control (CPM#1)
ML14	73-77	MLC - frozen stim. control (CPM#2)
ML15	78-82	MLC - frozen stim. control (CPM#3)
ML16	83-87	MLC - frozen stim. control (CPM#4)
ML17	88-92	MLC - frozen stim. control (Mean CPM)
ML18	93-95	MLC - frozen stim. control (CV)
ML19	96-101	MLC - MLR fresh stim. (CPM#1)
ML20	102-107	MLC - MLR fresh stim. (CPM#2)
ML21	108-113	MLC - MLR fresh stim. (CPM#3)
ML22	114-119	MLC - MLR fresh stim. (CPM#4)
ML23	120-125	MLC - MLR fresh stim. (Mean CPM)
ML24	126-128	MLC - MLR fresh stim. (CV)
ML25	129-134	MLC - MLR frozen stim. (CPM#1)
ML26	135-140	MLC - MLR frozen stim. (CPM#2)
ML27	141-146	MLC - MLR frozen stim. (CPM#3)
ML28	147-152	MLC - MLR frozen stim. (CPM#4)
ML29	153-158	MLC - MLR frozen patient (Mean CPM)
ML30	159-161	MLC - MLR frozen patient (CV)
ML31	162-167	MLC - Net fresh MLR (CPM)
ML32	168-173	MLC - Net frozen MLR (CPM)
MO01	174-177	CSM negative control (% POS)
MO02	178-183	CSM negative control (ABS #)
MO03	184-187	CSM total T cells (% POS)
MO04	188-193	CSM total T cells (ABS #)

VARIABLE	COLUMN	COMMENT
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MO05	194-197	CSM total B cells (% POS)
MO06	198-203	CSM total B cells (ABS #)
MO07	204-207	CSM monocytes (% POS)
MO08	208-213	CSM monocytes (ABS #)
MO09	214-217	CSM helper cells (% POS)
MO10	218-223	CSM helper cells (ABS #)
MO11	224-227	CSM supressor/cytotoxic cells (% POS)
MO12	228-233	CSM supressor/cytotoxic cells (ABS #)
MO13	234-237	CSM HLA-DR carrying cells (% POS)
MO14	238-243	CSM HLA-DR carrying cells (ABS #)
MO27	244-245	CSM granulocytes (% PBM)
MO28	246-247	CSM lymphocytes (% PBM)
MO29	248-249	CSM monocytes (% PBM)
NI01	250-253	NKC/I - spon. lysis control (CPM#1)
NI02	254-257	NKC/I - spon. lysis control (CPM#2)
NI03	258-261	NKC/I - spon. lysis control (CPM#3)
NI04	262-265	NKC/I - spon. lysis control (CPM#4)
NI05	266-269	NKC/I - spon. lysis (Mean CPM)
NI06	270-271	NKC/I - spon. lysis (CV)
NI07	272-275	NKC/I - max. lysis control (CPM#1)
NI08	276-279	NKC/I - max. lysis control (CPM#2)
NI09	280-283	NKC/I - max. lysis control (CPM#3)
NI10	284-287	NKC/I - max. lysis control (CPM#4)
NI11	288-291	NKC/I - max. lysis (Mean CPM)
NI12	292-295	NKC/I - max. lysis (Net CPM)
NI13	296-297	NKC/I - max. lysis (CV)
NI14	298-301	NKC/I - patient 50/1 ratio (CPM#1)
NI15	302-305	NKC/I - patient 50/1 ratio (CPM#2)
NI16	306-309	NKC/I - patient 50/1 ratio (CPM#3)
NI17	310-313	NKC/I - patient 50/1 ratio (CPM#4)
NI18	314-317	NKC/I - patient 50/1 (Mean CPM)
NI19	318-321	NKC/I - patient 50/1 (Net CPM)
NI20	322-323	NKC/I - patient 50/1 (CV)
NI21	324-325	NKC/I - patient 50/1 (%RELEASE)
NI22	326-329	NKC/I - patient 30/1 ratio (CPM#1)
NI23	330-333	NKC/I - patient 30/1 ratio (CPM#2)
NI24	334-337	NKC/I - patient 30/1 ratio (CPM#3)
NI25	338-341	NKC/I - patient 30/1 ratio (CPM#4)
NI26	342-345	NKC/I - patient 30/1 (Mean CPM)
NI27	346-349	NKC/I - patient 30/1 (Net CPM)
NI28	350-351	NKC/I - patient 30/1 (CV)
NI29	352-353	NKC/I - patient 30/1 (%RELEASE)
NI30	354-357	NKC/I - patient 10/1 ratio (CPM#1)
NI31	358-361	NKC/I - patient 10/1 ratio (CPM#2)
NI32	362-365	NKC/I - patient 10/1 ratio (CPM#3)
NI33	366-369	NKC/I - patient 10/1 ratio (CPM#4)
NI34	370-373	NKC/I - patient 10/1 (Mean CPM)
NI35	374-377	NKC/I - patient 10/1 (Net CPM)
NI36	378-379	NKC/I - patient 10/1 (CV)
NI37	380-381	NKC/I - patient 10/1 (%RELEASE)
NK01	382-385	NKC - spon. lysis control (CPM#1)
NK02	386-389	NKC - spon. lysis control (CPM#2)
NK03	390-393	NKC - spon. lysis control (CPM#3)



VARIABLE	COLUMN	COMMENT
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NK04	394-397	NKC - spon. lysis control (CPM#4)
NK05	398-401	NKC - spon. lysis control (Mean CPM)
NK06	402-403	NKC - spon. lysis control (CV)
NK07	404-407	NKC - max. lysis control (CPM#1)
NK08	408-411	NKC - max. lysis control (CPM#2)
NK09	412-415	NKC - max. lysis control (CPM#3)
NK10	416-419	NKC - max. lysis control (CPM#4)
NK11	420-423	NKC - max. lysis (Mean CPM)
NK12	424-427	NKC - max. lysis (Net CPM)
NK13	428-429	NKC - max. lysis (CV)
NK14	430-433	NKC - patient 50/1 ratio (CPM#1)
NK15	434-437	NKC - patient 50/1 ratio (CPM#2)
NK16	438-441	NKC - patient 50/1 ratio (CPM#3)
NK17	442-445	NKC - patient 50/1 ratio (CPM#4)
NK18	446-449	NKC - patient 50/1 (Mean CPM)
NK19	450-453	NKC - patient 50/1 (Net CPM)
NK20	454-455	NKC - patient 50/1 (CV)
NK21	456-457	NKC - patient 50/1 (%RELEASE)
NK22	458-461	NKC - patient 30/1 ratio (CPM#1)
NK23	462-465	NKC - patient 30/1 ratio (CPM#2)
NK24	466-469	NKC - patient 30/1 ratio (CPM#3)
NK25	470-473	NKC - patient 30/1 ratio (CPM#4)
NK26	474-477	NKC - patient 30/1 (Mean CPM)
NK27	478-481	NKC - patient 30/1 (Net CPM)
NK28	482-483	NKC - patient 30/1 (CV)
NK29	484-485	NKC - patient 30/1 (%RELEASE)
NK30	486-489	NKC - patient 10/1 ratio (CPM#1)
NK31	490-493	NKC - patient 10/1 ratio (CPM#2)
NK32	494-497	NKC - patient 10/1 ratio (CPM#3)
NK33	498-501	NKC - patient 10/1 ratio (CPM#4)
NK34	502-505	NKC - patient 10/1 (Mean CPM)
NK35	506-509	NKC - patient 10/1 (Net CPM)
NK36	510-511	NKC - patient 10/1 (CV)
NK37	512-513	NKC - patient 10/1 (%RELEASE)
PH01	514-519	PHA mitogen assay - control (CPM#1)
PH02	520-525	PHA mitogen assay - control (CPM#2)
PH03	526-531	PHA mitogen assay - control (CPM#3)
PH04	532-537	PHA mitogen assay - control (CPM#4)
PH05	538-543	PHA mitogen assay - (Mean CPM)
PH06	544-546	PHA mitogen assay - (CV)
PH07	547-552	PHA mitogen assay - conc. (CPM#1)
PH08	553-558	PHA mitogen assay - conc. (CPM#2)
PH09	559-564	PHA mitogen assay - conc. (CPM#3)
PH10	565-570	PHA mitogen assay - conc. (CPM#4)
PH11	571-576	PHA mitogen assay - (Mean CPM)
PH12	577-579	PHA mitogen assay - (CV)
PH13	580-585	PHA mitogen assay - (Net CPM)
PO01	586-591	pokeweed mitogen stim. - control (CPM#1)
PO02	592-597	pokeweed mitogen stim. - control (CPM#2)
PO03	598-603	pokeweed mitogen stim. - control (CPM#3)
PO04	604-609	pokeweed mitogen stim. - control (CPM#4)
PO05	610-615	pokeweed mitogen stim. - (Mean CPM)
PO06	616-618	pokeweed mitogen stim. - (CV)

VARIABLE	COLUMN	COMMENT
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PO07	619-624	pokeweed mitogen stim. - conc. (CPM#1)
PO08	625-630	pokeweed mitogen stim. - conc. (CPM#2)
PO09	631-636	pokeweed mitogen stim. - conc. (CPM#3)
PO10	637-642	pokeweed mitogen stim. - conc. (CPM#4)
PO11	643-648	pokeweed mitogen stim. - (Mean CPM)
PO12	649-651	pokeweed mitogen stim. - (CV)
PO13	652-657	pokeweed mitogen stim. - (Net CPM)